



Office of the
Federal Register

June 30, 2022

Cindy Bladey
Federal Register Liaison Officer
Nuclear Regulatory Commission

Via email to *Helen.Chang@nrc.gov*

Dear Ms. Bladey:

I approve the standard(s) for incorporation by reference into Title 10 of the *Code of Federal Regulations*, as listed in the attachment.

This approval is contingent upon the final rule containing any language changes that have been agreed upon by our staffs. The approval to incorporate by reference the publication(s) is effective on the effective date of your final rule. This approval will expire 2 years from the date of this letter unless you request an extension.

If you wish to enforce some other edition of the publication(s) approved, you must:

1. Publish notice of the change in the *Federal Register*, amend the *Code of Federal Regulations*; and
2. Ensure that a copy of that edition is on file at the Office of the Federal Register; and
3. Notify me in writing of the change.

If you have any questions concerning this incorporation by reference, please contact the Legal Affairs and Policy Division at fedreg.legal@nara.gov.

Sincerely,

Katerina Horska
Director, Legal Affairs and Policy Division

Federal Register Attorney:
Ref#: IBR-2022-00149

ATTACHMENT

Material Approved for Incorporation By Reference

IBR Request - IBR-2022-00149

NuScale Power, LLC

DCA Part 4 - Volume 1

Generic Technical Specifications, NuScale Nuclear Power Plants, Volume 1: Specifications

Undated Revision 5.0

CFR Title, Part, Section

10, 52.appG

DCA Part 4 - Volume 2

Generic Technical Specifications, NuScale Nuclear Power Plants, Volume 2: Bases

Undated Revision 5.0

CFR Title, Part, Section

10, 52.appG

ES-0304-1381-NP

Human-System Interface Style Guide

Dated December 2019 Revision 4

CFR Title, Part, Section

10, 52.appG

NuScale DCA Part 2 - Tier 1

NuScale Standard Plant Design Certification Application; Certified Design Descriptions and Inspections, Tests, Analyses, & Acceptance Criteria (ITAAC); Part 2 - Tier 1

Dated July 2020 Revision 5

CFR Title, Part, Section

10, 52.appG

NuScale DCA Part 2 - Tier 2

NuScale Standard Plant Design Certification Application, Part 2 - Tier 2

Dated July 2020 Revision 5

CFR Title, Part, Section

10, 52.appG

RP-0215-10815-NP

Concept of Operations

Dated May 2019 Revision 3

CFR Title, Part, Section

10, 52.appG

RP-0316-17614-NP

Human Factors Engineering Operating Experience Review Results Summary Report

Dated December 6, 2016 Revision 0

CFR Title, Part, Section

10, 52.appG

RP-0316-17615-NP

Human Factors Engineering Functional Requirements Analysis and Function Allocation Results Summary Report

Dated December 2, 2016 Revision 0

CFR Title, Part, Section

RP-0316-17616-NP

Human Factors Engineering Task Analysis Results Summary Report

Dated April 2019 Revision 2

CFR Title, Part, Section

10, 52.appG

RP-0316-17617-NP

Human Factors Engineering Staffing and Qualifications Results Summary Report

Dated December 2, 2016 Revision 0

CFR Title, Part, Section

10, 52.appG

RP-0316-17618-NP

Human Factors Engineering Treatment of Important Human Actions Results Summary Report

Dated December 2, 2016

Revision 0

CFR Title, Part, Section

10, 52.appG

RP-0316-17619-NP

Human Factors Engineering Human-System Interface Design Results Summary Report

Dated April 2019

Revision 2

CFR Title, Part, Section

10, 52.appG

RP-0516-49116-NP

Control Room Staffing Plan Validation Results

Dated December 2, 2016

Revision 1

CFR Title, Part, Section

10, 52.appG

RP-0914-8534-NP

Human Factors Engineering Program Management Plan

Dated April 2019

Revision 5

CFR Title, Part, Section

10, 52.appG

RP-0914-8543-NP

Human Factors Verification and Validation Implementation Plan

Dated April 2019

Revision 5

CFR Title, Part, Section

10, 52.appG

RP-0914-8544-NP

Human Factors Engineering Design Implementation Implementation Plan

Dated November 2019

Revision 4

CFR Title, Part, Section

10, 52.appG

RP-1018-61289-NP

Human Factors Engineering Verification and Validation Results Summary Report

Dated July 2019

Revision 1

CFR Title, Part, Section

10, 52.appG

RP-1215-20253-NP

Control Room Staffing Plan Validation Methodology

Dated December 2, 2016

Revision 3

CFR Title, Part, Section

10, 52.appG

TR-0116-20781-NP

Fluence Calculation Methodology and Results

Dated July 2019

Revision 1

CFR Title, Part, Section

10, 52.appG

TR-0116-20825-NP-A

Applicability of AREVA Fuel Methodology for the NuScale Design

Dated June 2016

Revision 1

CFR Title, Part, Section

10, 52.appG

TR-0116-21012-NP-A

NuScale Power Critical Heat Flux Correlations

Dated December 2018

Revision 1

CFR Title, Part, Section

10, 52.appG

TR-0316-22048-NP

Nuclear Steam Supply System Advanced Sensor Technical Report

Dated May 2020

Revision 3

CFR Title, Part, Section

TR-0515-13952-NP-A

Risk Significance Determination

Dated October 2016

Revision 0

CFR Title, Part, Section

10, 52.appG

TR-0516-49084-NP

Containment Response Analysis Methodology Technical Report

Dated May 2020

Revision 3

CFR Title, Part, Section

10, 52.appG

TR-0516-49416-NP-A

Non-Loss-of-Coolant Accident Analysis Methodology

Dated July 2020

Revision 3

CFR Title, Part, Section

10, 52.appG

TR-0516-49417-NP-A

Evaluation Methodology for Stability Analysis of the NuScale Power Module

Dated March 2020

Revision 1

CFR Title, Part, Section

10, 52.appG

TR-0516-49422-NP-A

Loss-of-Coolant Accident Evaluation Model

Dated July 2020

Revision 2

CFR Title, Part, Section

10, 52.appG

TR-0616-48793-NP-A

Nuclear Analysis Codes and Methods Qualification

Dated November 2018

Revision 1

CFR Title, Part, Section

10, 52.appG

TR-0616-49121-NP

NuScale Instrument Setpoint Methodology Technical Report

Dated May 2020

Revision 3

CFR Title, Part, Section

10, 52.appG

TR-0716-50350-NP-A

Rod Ejection Accident Methodology

Dated June 2020

Revision 1

CFR Title, Part, Section

10, 52.appG

TR-0716-50351-NP-A

NuScale Applicability of AREVA Method for the Evaluation of Fuel Assembly Structural Response to Externally Applied Forces

Dated April 2020

Revision 1

CFR Title, Part, Section

10, 52.appG

TR-0716-50424-NP

Combustible Gas Control

Dated March 2019

Revision 1

CFR Title, Part, Section

10, 52.appG

TR-0716-50439-NP

NuScale Comprehensive Vibration Assessment Program Analysis Technical Report

Dated July 2019

Revision 2

CFR Title, Part, Section

10, 52.appG

TR-0815-16497-NP-A

Safety Classification of Passive Nuclear Power Plant Electrical Systems

Dated January 2018

Revision 1

CFR Title, Part, Section

10, 52.appG

TR-0816-49833-NP

Fuel Storage Rack Analysis

Dated November 2018

Revision 1

CFR Title, Part, Section

10, 52.appG

TR-0816-50796-NP

Loss of Large Areas Due to Explosions and Fires Assessment

Dated June 2019

Revision 1

CFR Title, Part, Section

10, 52.appG

TR-0816-51127-NP

NuFuel-HTP2™ Fuel and Control Rod Assembly Designs

Dated December 2019

Revision 3

CFR Title, Part, Section

10, 52.appG

TR-0818-61384-NP

Pipe Rupture Hazards Analysis

Dated July 2019

Revision 2

CFR Title, Part, Section

10, 52.appG

TR-0915-17564-NP-A

Subchannel Analysis Methodology

Dated February 2019

Revision 2

CFR Title, Part, Section

10, 52.appG

TR-0915-17565-NP-A

Accident Source Term Methodology

Dated February 2020

Revision 4

CFR Title, Part, Section

10, 52.appG

TR-0916-51299-NP

Long-Term Cooling Methodology

Dated May 2020

Revision 3

CFR Title, Part, Section

10, 52.appG

TR-0916-51502-NP

NuScale Power Module Seismic Analysis

Dated April 2019

Revision 2

CFR Title, Part, Section

10, 52.appG

TR-0917-56119-NP

CNV Ultimate Pressure Integrity

Dated June 2019

Revision 1

CFR Title, Part, Section

10, 52.appG

TR-0918-60894-NP

NuScale Comprehensive Vibration Assessment Program Measurement and Inspection Plan Technical Report

Dated August 2019

Revision 1

CFR Title, Part, Section

10, 52.appG

TR-1015-18653-NP-A

Design of the Highly Integrated Protection System Platform

Dated May 2017

Revision 2

CFR Title, Part, Section

10, 52.appG

TR-1016-51669-NP

NuScale Power Module Short-Term Transient Analysis

Dated July 2019

Revision 1

CFR Title, Part, Section

10, 52.appG

TR-1116-51962-NP

NuScale Containment Leakage Integrity Assurance

Dated May 2019

Revision 1

CFR Title, Part, Section

10, 52.appG

NP-TR-1010-859-NP-A

NuScale Topical Report: Quality Assurance Program Description for the NuScale Power Plant

Dated May 2020

Revision 5

CFR Title, Part, Section

10, 52.appG

TR-0816-50797

Mitigation Strategies for Loss of All AC Power Event [NuScale Nonproprietary]

Dated October 2019

Revision 3

CFR Title, Part, Section

10, 52.appG

TR-1015-18177-NP

Pressure and Temperature Limits Methodology

Dated October 2018

Revision 2

CFR Title, Part, Section

10, 52.appG

TR-1116-52065-NP

Effluent Release (GALE Replacement) Methodology and Results

Dated November 2018

Revision 1

CFR Title, Part, Section

10, 52.appG