

June 29, 2015

Mr. Tom Bergman  
Vice President – Regulatory Affairs  
1100 Circle Boulevard, Suite 200  
Corvallis, OR 97330

SUBJECT: AUDIT PLAN TO REVIEW NUSCALE POWER, LLC SMALL MODULAR REACTOR DESIGN DATA AND SPECIFICATIONS TO ASSIST NRC STAFF IN PREPARING FOR THE NUSCALE DESIGN CERTIFICATION APPLICATION SUBMITTAL AND ASSOCIATED READINESS REVIEW - JULY 1, 2015 TO SEPTEMBER 30, 2015.

Dear Mr. Bergman:

During the period from July 1, 2015 to September 30, 2015, the U.S. Nuclear Regulatory Commission (NRC) staff plans to periodically review documents located at the NuScale local office located at 11333 Woodglenn Drive, Rockville, MD, 20852. The NRC staff's review of these documents will not be for the purpose of reaching a regulatory decision but rather to assist in preparing for the NuScale design certification application submittal and the associated readiness review. Enclosed is an audit plan pertaining to this audit. Should you have any questions regarding this matter, I may be reached at (301) 415-4045.

Sincerely,

**/RA/**

Mark Tonacci, Branch Chief  
Small Modular Reactor Licensing Branch  
Division of Advanced Reactors and Rulemaking  
Office of New Reactors

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Vice President – Regulatory Affairs  
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Small Modular Reactor Licensing Branch  
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Office of New Reactors

Enclosure: Audit Plan

Project No.: PROJ0769

DISTRIBUTION:  
PUBLIC  
NuScale ListServ

**ADAMS ACCESSION NO.: ML15180A215 NRO-002**

OFFICE	PM:NRO/DARR/SMRLB
NAME	GCranston
DATE	6 /29/15

**OFFICIAL RECORD ONLY**

## AUDIT PLAN TO REVIEW NUSCALE SMALL MODULAR REACTOR SYSTEM DESCRIPTIONS, DESIGN, FUNCTIONAL DIAGRAMS AND RELATED DOCUMENTS

### **A. Background**

NuScale Power, LLC (NuScale) has provided draft sets of system descriptions, flow diagrams, and/or functional diagrams for selected systems of their small modular reactor (SMR) design at their local office in Rockville, MD as they become available. Additionally, human factors engineering documents have also been provided. The titles of documents reviewed during the audit will be identified in a U.S. Nuclear Regulatory Commission (NRC) pre-application audit summary report when published at the end of the audit period. The audit summary will be available via the NRC Agencywide Documents Access and Management System (ADAMS).

The purpose of this audit is to review internal NuScale draft documentation of the NuScale SMR design to allow NRC technical staff to gain a better understanding of the SMR design during the pre-application phase of activities. This will assist the NRO staff in preparing for the NuScale Design Certification Application (DCA) submittal and the associated readiness review.

The Readiness Review will be conducted about 6 months prior to NuScale submitting their DCA to determine if the NuScale is progressing satisfactorily to meet the criteria of the acceptance review which is done when the DCA is received by the NRC. During the audit and interactions with the applicant there may be NRC requests for information which would be part of future formal correspondence.

### **B. Regulatory Audit Bases**

Per Office Instruction NRO-REG-108, a regulatory audit is a planned, license or regulation-related activity that includes the examination and evaluation of primarily non-docketed information. A regulatory audit is conducted with the intent to gain understanding, to verify information, and/or to identify information that will require docketing to support the basis of the licensing or regulatory decision.

### **C. Regulatory Audit Scope or Methodology**

The audit will be an ongoing activity during the period from July 1, 2015 to September 30, 2015, to allow NRC technical staff, on an as needed basis, to go to the local NuScale office to review appropriate documents. The specific audits will be scheduled and coordinated through the NRO NuScale Project Manager and NRO project management will be represented at each audit session. The audit will be conducted in several phases and each audit phase is expected to be a few hours.

### **D. Special Requests**

The NRC requests that NuScale provide a working space for the duration of the audit at the NuScale Rockville Office.

### **E. Audit Team**

Enclosure

The audit team will consist of one or more NRO technical staff and an NRO Project Manager, who will be identified in the audit summary report.

#### **F. Logistics**

Date:	July 1, 2015 to September 30, 2015 (Multiple, non-consecutive dates)
Time:	To be determined on a case by case basis
Location:	NuScale Offices, Rockville, Maryland
Point-of-Contact:	Steve Mirsky or Steve Pope, NuScale Gregory Cranston, Genny Gallo or Omid Tabatabai, NRC

#### **G. Deliverables**

Within 90 days of completion of the final phase of the audit, the audit team will generate an NRC pre-application audit summary if any audits were conducted. Though proprietary information may be reviewed, the NRO staff will generate a non-proprietary audit summary. This summary will provide a list of documents audited by the audit team.