

October 15, 2015

MEMORANDUM TO: Mark Tonacci, Chief
Licensing Branch 1
Division of New Reactor Licensing
Office of New Reactors

FROM: Gregory Cranston, Senior Project Manager */RA/*
Licensing Branch 1
Division of New Reactor Licensing
Office of New Reactors

SUBJECT: SUMMARY OF SEPTEMBER 17, 2015, OPEN/CLOSED PUBLIC MEETING WITH NUSCALE POWER, LLC TO DISCUSS VARIOUS TOPICS RELATED TO NUSCALE'S INSPECTIONS, TESTS, ANALYSES AND ACCEPTANCE CRITERIA

On September 17, 2015, a Category 1 open/closed public meeting was held at NuScale's Rockville, MD office between representatives of the U.S. Nuclear Regulatory Commission (NRC) staff and NuScale Power, LLC, to discuss various topics related to NuScale's small modular reactor (SMR) inspections, tests, analyses, and acceptance criteria (ITAAC) program. In particular, the meeting was for NuScale to present their overall Tier 1/ITAAC methodology with focus on the items listed below.

- The organization of NuScale's Tier 1 material
- Nuclear Energy Institute (NEI) 15-02, Draft A of Revision 0, "Industry Guideline for the Development of Tier 1 and ITAAC Under 10 CFR Part 52," May 2015, applicability to the NuScale design
- NuScale systems to which the standardized ITAAC apply
- The unique NuScale design features that will require ITAAC not contained in the standardized ITAAC of NEI 15-02
- The configuration of the NuScale Power Module and its associated ITAAC
- Department of Energy sponsored initiative to identify ITAAC that can be executed at the manufacturer/factory

NuScale stated that their Tier 1 design descriptions and ITAAC will be developed using the guidance in NEI 15-02. The NRC staff pointed out that a decision had not been made as to whether the NRC staff would endorse NEI 15-02, issue an NRC Standardized ITAAC, or issue ITAAC interim staff guidance (ISG).

NuScale also discussed the results of their design reliability assurance program (DRAP) process in development of NuScale Tier 1 Design Descriptions, including a description of DRAP system functions.

The meeting was also to allow the NRC staff the opportunity to ask questions and gain a better understanding of the NuScale ITAAC strategy and methodology.

CONTACT: Gregory Cranston, NRO/DNRL
(301) 415-0546

The later portion of the meeting was closed to the public with NuScale providing a proprietary level presentation of the NuScale activities and status related to ITAAC associated with the NuScale emergency core cooling system (ECCS), control rod drive system, decay heat removal system (DHRS), reactor coolant system (RCS), and reactor vessel internals components.

The agenda and list of meeting attendees are included in Enclosures 1 and 2. The meeting notice is available in the Agencywide Documents Access and Management System (ADAMS) with Accession No. ML15230A551. The public meeting presentation slides are available in ADAMS with Accession No. ML15244A288 and the proprietary meeting slides are in ADAMS with Accession No. ML15244A289. Please direct any inquiries to Gregory Cranston at (301) 415-0546, or email at Gregory.Cranston@nrc.gov.

ADAMS is the system that provides text and image files of NRC public documents and can be accessed at the NRC Electronic Reading Room at <http://www.nrc.gov/reading-rm/adams.html>. If you do not have access to ADAMS or have problems accessing the documents located in ADAMS, contact the NRC Public Document Room staff at (800) 397-4209, (301) 415-4737, or pdr@nrc.gov.

Project No.: PROJ0769

Enclosures:

1. Meeting Agenda
2. Meeting Attendees

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M Tonacci

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JMcLellan, NRO

MTonacci, NRO

ADAMS Accession No.: ML15280A142

***via email**

NRC002

OFFICE	NRO/DNRL/LB1:PM	NRO/DNRL/LB1:LA	NRO/DNRL/LB1:PM
NAME	GCranston*	JMcLellan*	GCranston*
DATE	10/15/2015	10/14/2015	10/15/2015

OFFICIAL RECORD COPY

MEETING AGENDA

Public/Closed Meeting with NuScale Power, LLC, to Discuss Tier 1 Information and Inspections, Tests, Analysis and Acceptance Criteria (ITAAC)

September 17, 2015, 09:00 AM to 03:15 PM

NuScale Power, LLC
11333 Woodglen Dr., Suite 205
Rockville, MD 20850

<u>TIME</u>	<u>TOPIC</u>
9:00 am - 9:15 am	Introductions
9:15 am - 9:45 am	Meeting Purpose and Overview of NuScale Plant Design
9:45 am - 10:30 am	Part 1 - Application of NEI 15-02 guidance in development of NuScale ITAAC development
10:30 am - 10:45 am	Break
10:45 am - 11:30 am	Part 2 - Application of NEI 15-02 guidance in development of NuScale ITAAC development
11:30 am - 11:45 am	Results of NuScale DRAP process in development of NuScale Tier 1 Design Descriptions
11:45 am – 12:00 pm	Module-Specific System vs. Shared System ITAAC
12:00 pm - 1:00 pm	Break – Lunch
1:00 pm- 1:45 pm	NuScale Review of DSRS Section 14.3.X
1:45 pm - 2:00 pm	Public Comments/Questions
2:00 pm - 3:00 pm	Tier 1 Design Description and ITAAC for the NuScale Reactor Module (CLOSED)
3:00 pm - 3:15 pm	Summarize and Questions

ATTENDANCE LIST

NAME	AFFILIATION	NAME	AFFILIATION
Greg Cranston	NRC/NRO	Steven Mirsky	NuScale Power
Pete Lee	NRC/NRO	Steven Unikewicz	NuScale Power
Bob Lukes	NRC/NRO	Steven Pope	NuScale Power
Chris Welch	NRC/NRO	Tony Lentz	NuScale Power
Brian Anderson	NRC/NRO	Dustin Greenwood	NuScale Power
Ian Cozens	NRC/NRO	Carl Dumsday	NuScale Power
Carl Weber	NRC/NRO	Steve Kline	MPower
Angelo Stubbs	NRC/NRO	Jana Burgman	Curtis Wright Scientech
John Segala	NRC/NRO	Russ Bell	NEI
Mark Caruso	NRC/NRO	Marc Nichol	NEI
Lynn Mrowca	NRC/NRO	Bill Gallyean	NuScale Power
Omid Tabatabai	NRC/NRO	Cindy Williams	NuScale Power