

NuScaleDCRaisPEm Resource

From: Cranston, Gregory
Sent: Saturday, August 12, 2017 6:46 AM
To: RAI@nuscalepower.com
Cc: NuScaleDCRaisPEm Resource; Lee, Samuel; Chowdhury, Prosanta; Lupold, Timothy; Scarbrough, Thomas; Vera Amadiz, Marieliz
Subject: Request for Additional Information No. 165, RAI 8953 (3.9.6)
Attachments: Request for Additional Information No. 165 (eRAI No. 8953).pdf

Attached please find NRC staff's request for additional information concerning review of the NuScale Design Certification Application.

Please submit your technically correct and complete response within 60 days of the date of this RAI to the NRC Document Control Desk.

The NRC Staff recognizes that NuScale has preliminarily identified that the response to one or more questions in this RAI is likely to require greater than 60 days. NuScale is expected to provide a schedule for the RAI response by email within 14 days.

If you have any questions, please contact me.

Thank you.

Gregory Cranston, Senior Project Manager
Licensing Branch 1 (NuScale)
Division of New Reactor Licensing
Office of New Reactors
U.S. Nuclear Regulatory Commission
301-415-0546

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From: Cranston, Gregory

Created By: Gregory.Cranston@nrc.gov

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Options

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Request for Additional Information No. 165 (eRAI No. 8953)

Issue Date: 08/12/2017

Application Title: NuScale Standard Design Certification - 52-048

Operating Company: NuScale Power, LLC

Docket No. 52-048

Review Section: 03.09.06 - Functional Design Qualification and Inservice Testing Programs for Pumps, Valves, and Dynamic Restraints

Application Section: 3.9.6

QUESTIONS

03.09.06-25

The NRC regulations in 10 CFR 50.55a(f) require that valves must be designed and provided with access to enable the performance of inservice testing of valves for assessing operational readiness set forth in the ASME OM Code (or NRC-accepted ASME OM Code Cases), incorporated by reference in 10 CFR 50.55a. NuScale FSAR Tier 2, Section 3.9.6 references the 2012 Edition of the ASME OM Code for the description of the NuScale IST program in support of the NuScale design certification application.

NuScale FSAR Tier 2, Section 3.9.6.1, "Functional Design and Qualification of Pumps, Valves, and Dynamic Restraints," indicates that safety-related valves are designed and provided with access to enable the performance of inservice testing to assess operational readiness in accordance with the ASME OM Code and as defined in the IST program.

Describe the plans to satisfy requirements for design and accessibility to perform preservice and inservice testing specified in the ASME OM Code to demonstrate the operational readiness of safety-related valves to perform their safety functions based on the new design of the NuScale Power Plant with limited access to some valves.