

NuScaleDCRaisPEm Resource

From: Cranston, Gregory
Sent: Saturday, August 12, 2017 1:39 PM
To: RAI@nuscalepower.com
Cc: NuScaleDCRaisPEm Resource; Lee, Samuel; Chowdhury, Prosanta; Lupold, Timothy; Tsirigotis, Alexander; Vera Amadiz, Marieliz
Subject: Request for Additional Information No. 176, RAI 9070 (3.12)
Attachments: Request for Additional Information No. 176 (eRAI No. 9070).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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Request for Additional Information No. 176 (eRAI No. 9070)

Issue Date: 08/12/2017

Application Title: NuScale Standard Design Certification - 52-048

Operating Company: NuScale Power, LLC

Docket No. 52-048

Review Section: 03.12 - ASME Code Class 1, 2, and 3 Piping Systems and Piping Components and
Their Associated Supports

Application Section: 3.12

QUESTIONS

03.12-6

GDC 2 and Appendix S to 10 CFR Part 50 require that piping and pipe supports withstand the effects of earthquakes.

FSAR Tier 2, Section 3.12.3.3 proposes to use the independent support method (ISM) response spectrum seismic analysis as an alternate method for piping supported at the NPM, while TR-0916-51502-P, Revision 0 (ML17010A434) states that the ISM method is not applicable to piping analysis. Please resolve this inconsistency and clearly identify which method is used for response spectrum piping seismic analysis. In addition, if the ISM method is used, verify that all of the criteria presented in NUREG-1061 related to the ISM method are going to be followed, which is identified in SRP 3.7.3.