

NuScaleDCRaisPEm Resource

From: Cranston, Gregory
Sent: Monday, August 07, 2017 8:54 AM
To: RAI@nuscalepower.com
Cc: NuScaleDCRaisPEm Resource; Lee, Samuel; Chowdhury, Prosanta; Samaddar, Sujit; Roche-Rivera, Robert; Vera Amadiz, Marieliz
Subject: Request for Additional Information No. 153, RAI 8965 (3.8.4)
Attachments: Request for Additional Information No. 153 (eRAI No. 8965).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.

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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Request for Additional Information No. 153 (eRAI No. 8965)

Issue Date: 08/07/2017

Application Title: NuScale Standard Design Certification - 52-048

Operating Company: NuScale Power, LLC

Docket No. 52-048

Review Section: 03.08.04 - Other Seismic Category I Structures

Application Section: 3.8.4

QUESTIONS

03.08.04-24

10 CFR 50, Appendix A, GDC 1, 2, and 4 provides requirements to be met by SSC important to safety. In accordance with these requirements, DSRS Section 3.8.4 provides review guidance pertaining to the design of seismic Category I structures, other than the containment.

Identify the seismic-resisting system(s) for the RXB in both the North-South (N-S) and East-West (E-W) directions. Clarify if the interior E-W walls shown in Figure 1.2-19 (grid lines RXD and RXB), are part of the lateral force resisting system. If the pilasters in the north and south walls, combined with the roof, are intended to perform as moment frames, clarify whether these moment frames are capable of resisting at least 25% of the design seismic forces.