

NuScaleDCRaisPEm Resource

From: Cranston, Gregory
Sent: Tuesday, June 13, 2017 11:10 AM
To: RAI@nuscalepower.com
Cc: NuScaleDCRaisPEm Resource; Lee, Samuel; Chowdhury, Prosanta; Hayes, Michelle; Franovich, Rani; Caruso, Mark
Subject: Request for Additional Information No. 61, RAI 8876
Attachments: Request for Additional Information No. 61 (eRAI No. 8876).pdf

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

Please submit your 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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From: Cranston, Gregory

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Request for Additional Information No. 61 (eRAI No. 8876)

Issue Date: 06/13/2017

Application Title: NuScale Standard Design Certification - 52-048

Operating Company: NuScale Power, LLC

Docket No. 52-048

Review Section: 19 - Probabilistic Risk Assessment and Severe Accident Evaluation

Application Section: 19

QUESTIONS

19-7

The staff has reviewed section 19.1.5 of the Final Safety Analysis Report (FSAR) which addresses the seismic margins analysis (SMA), and the seismic margins notebook in the NuScale electronic reading room which supports the information presented in the FSAR. From its review the staff determined that nonsafety-related structures, systems and components (SSC) were included in the accident sequence analysis that is part of the seismic margins analysis.

Section 19.3 of the Standard Review Plan, "Regulatory Treatment of Nonsafety Systems for Passive Advanced Light Water Reactor Designs" (RTNSS), states that:

"The staff reviews the applicant's description of the Seismic Margins Analysis (SMA) documented in Chapter 19 of the FSAR to identify any nonsafety-related SSCs that have been credited in the SMA. The staff confirms that any nonsafety-related SSCs that are relied upon to meet the acceptance criteria for the SMA have been included in the scope of the RTNSS program (RTNSS "B")."

There are no nonsafety SSCs identified in Section 19.3 of the FSAR for inclusion in the RTNSS program. Therefore, the staff requests the following additional information. Please identify any nonsafety-related SSCs credited in meeting the acceptance criteria for the SMA. For each of these SSCs please explain why it has not been included in the scope of the RTNSS program.