

NuScaleTRRaisPEm Resource

From: Cranston, Gregory
Sent: Friday, June 30, 2017 1:54 PM
To: RAI@nuscalepower.com
Cc: NuScaleTRRaisPEm Resource; Lee, Samuel; Skarda, Raymond; Karas, Rebecca; Schmidt, Jeffrey; Chowdhury, Prosanta; Baval, Bruce
Subject: Topical Report (TR-0516-49417-P) - Request for Additional Information Letter No. 8868 (eRAI No. 8868)
Attachments: Request for Additional Information No. 8868 (eRAI No. 8868).pdf

Attached please find NRC staff's request for additional information concerning review of the NuScale Topical Report.

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.

Hearing Identifier: NuScale_SMR_DC_TR_Public
Email Number: 29

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Subject: Topical Report (TR-0516-49417-P) - Request for Additional Information Letter No. 8868 (eRAI No. 8868)
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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. 8868 (eRAI No. 8868)

Issue Date: 06/30/2017

Application Title: NuScale Topical Report

Operating Company: NuScale

Docket No. PROJ0769

Review Section: 01 - Introduction and Interfaces

Application Section: 1

QUESTIONS

01-12

In accordance with 10 CFR 50 Appendix A, GDC 12, oscillations must be either not possible or reliably and readily detected and suppressed.

Section 4.1, "Introduction," of topical report (TR), TR-0516-49417-P states that pure neutronic stability will be addressed separately in the design certification; however, Section 4.3.2.4, "Instability Mode: Xenon Oscillations," appears to address the subject of Xenon stability. It is unclear if the current submittal is intended to address the topic of xenon stability.

In order to make an affirmative finding associated with the above regulatory requirement important to safety, NRC staff requests NuScale to clarify if NRC review of xenon stability is requested as part of this TR submittal.