

NuScaleDCRaisPEm Resource

From: Cranston, Gregory
Sent: Friday, August 25, 2017 2:22 PM
To: RAI@nuscalepower.com
Cc: NuScaleDCRaisPEm Resource; Lee, Samuel; Chowdhury, Prosanta; Dias, Antonio; Vettori, Robert; Markley, Anthony
Subject: RE: Request for Additional Information No. 199, RAI 9077 (9.2.9)
Attachments: Request for Additional Information No. 199 (eRAI No. 9077).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

Hearing Identifier: NuScale_SMR_DC_RAI_Public
Email Number: 223

Mail Envelope Properties (d6e7dcffae954569b52d18959d85e49f)

Subject: RE: Request for Additional Information No. 199, RAI 9077 (9.2.9)
Sent Date: 8/25/2017 2:21:38 PM
Received Date: 8/25/2017 2:21:44 PM
From: Cranston, Gregory

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Post Office: R4PWMSMRS03.nrc.gov

Files	Size	Date & Time
MESSAGE	561	8/25/2017 2:21:44 PM
Request for Additional Information No. 199 (eRAI No. 9077).pdf		89446

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Return Notification: No
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Sensitivity: Normal
Expiration Date:
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Request for Additional Information No. 199 (eRAI No. 9077)

Issue Date: 08/25/2017

Application Title: NuScale Standard Design Certification - 52-048

Operating Company: NuScale Power, LLC

Docket No. 52-048

Review Section: 09.02.09 - Utility Water Systems (NuScale SMR design)

Application Section: 9.2.9

QUESTIONS

09.02.09-1

10 CFR 52.47, "Contents of applications; technical information," states, in part, "The information submitted for a design certification must include performance requirements and design information sufficiently detailed to permit the preparation of acceptance and inspection requirements by the NRC, and procurement specifications and construction and installation specifications by an applicant."

In FSAR Tier 2, Section 9.2.9, "Utility Water System," the applicant states:

"Portions of the system that are in proximity to Seismic category 1 SSCs are designed to Seismic Category II standards."

The staff reviewed FSAR Tier 2, Table 3.2-1, "Classification of Structures, Systems, and Components," and found that all utility water system (UWS) components are classified as Seismic Classification III.

The applicant is requested to clarify this inconsistency.

09.02.09-2

10 CFR 52.47, "Contents of applications; technical information," states, in part, "The information submitted for a design certification must include performance requirements and design information sufficiently detailed to permit the preparation of acceptance and inspection requirements by the NRC, and procurement specifications and construction and installation specifications by an applicant."

In FSAR Tier 2, Section 9.2.9, "Utility Water System (UWS)," the applicant states:

"The design and layout of the UWS includes provisions that ensure that a failure of the system will not adversely affect the functional performance of safety-related systems or the highest quality group classification of the UWS is Quality Group D per RG 1.26."

The staff finds the above statement confusing and requests that the applicant clarify.