

NuScaleDCRaisPEm Resource

From: Cranston, Gregory
Sent: Saturday, August 05, 2017 1:29 PM
To: RAI@nuscalepower.com
Cc: NuScaleDCRaisPEm Resource; Lee, Samuel; Chowdhury, Prosanta; Martinez Navedo, Tania; Som, Swagata; Tabatabai, Omid
Subject: RE: Request for Additional Information No. 147, RAI 9041 (8.3.2)
Attachments: Request for Additional Information No. 147 (eRAI No. 9041).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.

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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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Subject: RE: Request for Additional Information No. 147, RAI 9041 (8.3.2)
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From: Cranston, Gregory

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Request for Additional Information No. 147 (eRAI No. 9041)

Issue Date: 08/05/2017

Application Title: NuScale Standard Design Certification - 52-048

Operating Company: NuScale Power, LLC

Docket No. 52-048

Review Section: 08.03.02 - DC Power Systems (Onsite)

Application Section: DSRS 8.3.2

QUESTIONS

08.03.02-1

Question 1:

In FSAR, Tier 2, Figures 8.3-8a and 8.3-8b, "Normal Direct Current Power System," Note 2 states "Refer to DCD Section 8.3.2, Tables 8.3-14a-h for a listing of loads on each EDNS subsystem."

The staff could not find Tables 8.3-14a-h in FSAR Tier 2, Section 8.3. Please provide Tables 8.3-14a-h and update the FSAR accordingly.

Question 2:

In FSAR Tier 2, Section 8.3.2.2.2, related to conformance with 10 CFR 50.34 (f)(2)(v), it is stated that that bypassed or deliberately induced inoperability of the EDSS and EDNS batteries and battery chargers is automatically annunciated in the MCR to indicate the bypassed system or component. The EDSS and EDNS alarms are discussed in **Chapter 18**.

The staff could not find the discussion of EDSS and EDNS alarms in Chapter 18 of FSAR. Please provide the discussion of EDSS and EDNS alarms and update the FSAR accordingly.