July 18, 2022 Docket No. 99902078

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
One White Flint North
11555 Rockville Pike
Rockville, MD 20852-2738

SUBJECT: NuScale Power, LLC Submittal of Presentation Materials Entitled "SDAA Pre-Application Presentation, Treatment of DC Power in Chapter 15 Safety Analysis," PM-120561, Revision 0 (Open Session)

NuScale Power, LLC (NuScale) has requested a meeting with the NRC technical staff on July 27, 2022, to discuss the Treatment of DC Power in Chapter 15 Safety Analysis.

The purpose of this submittal is to provide presentation materials to the NRC for use during this meeting.

The enclosure to this letter is the nonproprietary version of the presentation entitled, "SDAA Pre-Application Presentation, Treatment of DC Power in Chapter 15 Safety Analysis."

This letter makes no regulatory commitments and no revisions to any existing regulatory commitments.

If you have any questions, please contact Thomas Griffith at 541-452-7813 or tgriffith@nuscalepower.com.

Sincerely,

Mark W. Shaver
Manager, Licensing
NuScale Power, LLC

Distribution: Michael Dudek, NRC
Getachew Tesfaye, NRC
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Enclosure 1: "SDAA Pre-Application Presentation, Treatment of DC Power in Chapter 15 Safety Analysis," PM-120561, Revision 0 (Open Session)

Enclosure 1:

"SDAA Pre-Application Presentation, Treatment of DC Power in Chapter 15 Safety Analysis," PM-120561, Revision 0 (Open Session)

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SDAA Pre-Application Presentation

Treatment of DC Power in Chapter 15 Safety Analysis (Open Session)

July 27, 2022

PM-120561 Rev. 0
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Presenters

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Thermal Hydraulic Engineer

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Summary of Presentation

1. History of this topic
2. Reviewing prior NRC feedback
3. NuScale's revised approach
4. Treatment of DC power availability in Chapter 15 analysis is an opportunity to apply the IAB precedent, SRM-SECY-19-0036

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- US460 ECCS design change is an overall improvement in plant safety (lower LRF, lower risk to the public)
- NuScale sought a topical report to define a deterministic method for Chapter 15 safety
  - First meeting in September 2021
  - Second meeting in May 2022
- NRC staff provided feedback on proposed approach
- NuScale relies on ANSI/ANS-58.14-2011 and SRM-SECY-19-0036 for determining the most appropriate way to satisfy Chapter 15 requirements consistent with the Commission's policy of risk-informing regulation.

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