

April 25, 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 “NuScale SDAA Topical Report, Treatment of DC Power in Safety Analysis, (Open Session)” PM-117392, Revision 0

REFERENCES: 1. “SDAA Pre-Application Presentation: NuScale SDAA Topical Report, Treatment of DC Power in Safety Analysis (Open Session),” PM-106639, Revision 0, (ML21266A433)

NuScale Power, LLC (NuScale) has requested a meeting with the NRC technical staff on May 4th, 2022, to discuss treatment of DC power in 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 “NuScale SDAA Topical Report, Treatment of DC Power in Safety Analysis.” PM-117392, Revision 0.

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 at TGriffith@nuscalepower.com.

Sincerely,



Mark W. Shaver
Manager, Licensing
NuScale Power, LLC

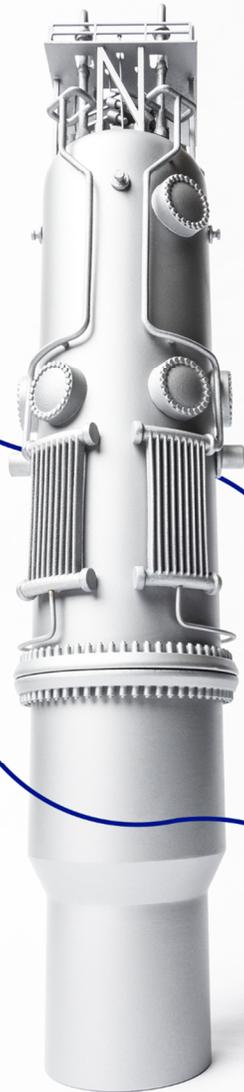
Distribution: Michael Dudek, NRC
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Enclosure: “NuScale SDAA Topical Report, Treatment of DC Power in Safety Analysis, (Open Session)” PM-117392, Revision 0

Enclosure:

“NuScale SDAA Topical Report, Treatment of DC Power in Safety Analysis, (Open Session)”
PM-117392, Revision 0

NuScale Nonproprietary



NUSCALE™
Power for all humankind

SDAA Pre-Application Presentation

NuScale SDAA Topical Report Treatment of DC Power in Safety Analysis

May 4, 2022

(Open Session)

Presenters

Kristopher Cummings
Licensing Engineer

Meghan McCloskey
Thermal Hydraulic Engineer

Ben Bristol
Supervisor, System Thermal Hydraulics

Acknowledgement and Disclaimer

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Meeting Purpose

- Pre-application engagement for topical report “Treatment of DC Power in Safety Analysis”, estimated submittal in July 2022.
 - Pre-application engagement on 29 September 2021 provided NRC management and staff with a high-level overview of approach for treatment of electrical power supply in the SDAA Ch. 15 safety analysis.
 - Focus of today’s meeting is to provide NRC management and staff with
 - context for the method as part of the overall design and deterministic safety analysis processes,
 - outline of the method described in the topical report, and
 - example application.
- Solicit preliminary NRC staff feedback on proposed approach in future topical report submittal.