June 16, 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: Updates to PRA and Implementation of Risk Significance Determination," PM-119414, Revision 0, (Open Session)

NuScale Power, LLC (NuScale) has requested a meeting with the NRC technical staff on June 23, 2022, to discuss SDAA: Updates to PRA and Implementation of Risk Significance Determination.

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

The enclosure is the nonproprietary version of the presentation entitled "SDAA: Updates to PRA and Implementation of Risk Significance Determination," PM-119414, Revision 0, (Open Session).

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

If you have any questions, please contact Liz English at 541-452-7333 or at eenglish@nuscalepower.com.

Sincerely,

Mark W. Shaver

Mark Shaver
Manager, Licensing
NuScale Power, LLC

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Enclosure: "SDAA: Updates to PRA and Implementation of Risk Significance Determination," PM-119414, Revision 0, (Open Session)

Enclosure 1:

"SDAA: Updates to PRA and Implementation of Risk Significance Determination," PM-119414, Revision 0, (Open Session)

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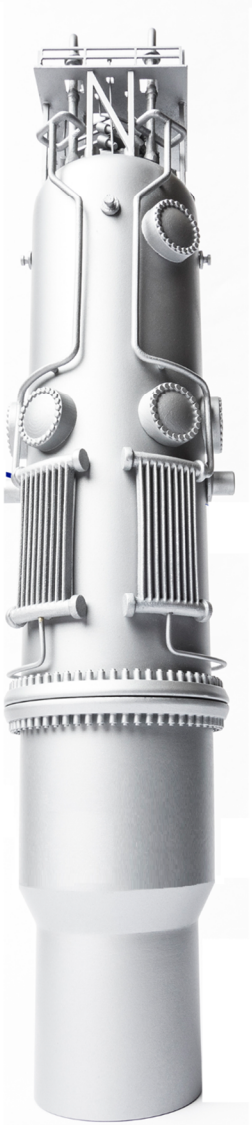

SDAA Pre-Application Presentation

June 23, 2022

SDAA: Updates to PRA and Implementation of Risk Significance Determination

Jeremiah Doyle
Probabilistic Risk Assessment Engineer

Open Session

Acknowledgement and Disclaimer

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Purpose of Meeting

- Communicate status of the probabilistic risk assessment (PRA) since the design certification application (DCA), reflecting:
  - standard design approval application (SDAA) design changes
  - other PRA updates

- Present high level overview of risk-informed approach to risk categorization in SDAA using topical report TR-0515-13952-NP-A, “Risk Significance Determination,” Revision 0

- Note that the impacts on the PRA (and risk results) of the design changes discussed in these slides are based (in-part) on engineering judgement. Preliminary quantitative PRA evaluations have been performed, but use the cumulative changes associated with the maturing SDAA design.

Acronyms

DCA	Design Certification Application
NuScale	NuScale Power, LLC
PRA	Probabilistic Risk Assessment
SDA	Standard Design Approval
SDAA	Standard Design Approval Application