



October 29, 2015

Docket: PROJ0769

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 Topical Report TR-0815-16497, "Safety Classification of Passive Nuclear Power Plant Electrical Systems," Revision 0 (NRC Project No. 0769)

REFERENCES: Letter from NuScale Power, LLC to U.S. Nuclear Regulatory Commission "Key Issue Resolution Prior to Design Certification Application," LO-0715-16060, dated July 22, 2015

In the referenced letter dated July 22, 2015, NuScale Power, LLC (NuScale) provided an updated schedule for topical report submittals. Consistent with that schedule, NuScale hereby submits Topical Report TR-0815-16497, "Safety Classification of Passive Nuclear Power Plant Electrical Systems," Revision 0.

The purpose of this topical report is to request NRC review and approval of what are termed herein as "conditions of applicability," and the methodology and bases used in their development. This topical report also seeks NRC review and approval of augmented design, qualification, and quality assurance (QA) provisions that are an extension of the conditions of applicability.

The appendices supporting this topical report provide information to facilitate the NRC's review of the conditions of applicability and augmented provisions for which approval is sought. NuScale is not seeking approval of the information in the appendices as the design certification application (DCA) will confirm that the final design meets the conditions of applicability described in this topical report. The appendices present a generic passive small modular reactor design and do not refer to NuScale's design. However, the design in the appendices is representative of the design that NuScale is currently finalizing for submittal in the DCA. As part of its DCA, NuScale will describe any differences between the design in the DCA and the generic design described in the appendices.

Enclosure 1 is the nonproprietary version of the report entitled "Safety Classification of Passive Nuclear Power Plant Electrical Systems." Enclosure 2 is the proprietary version of the report entitled "Safety Classification of Passive Nuclear Power Plant Electrical Systems." NuScale requests that the proprietary version be withheld from public disclosure in accordance with the requirements of 10 CFR § 2.390. The enclosed affidavit (Enclosure 3) supports this request.

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

Please contact Steven Mirsky at (301) 770-0472 or at smirsky@nuscalepower.com if you have any questions.

Sincerely,

Steven Mirsky
NuScale Power, LLC
Licensing Manager, Washington DC

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NRB

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Enclosure 1: TR-0815-16497-NP, "Safety Classification of Passive Nuclear Power Plant Electrical Systems," Revision 0, nonproprietary version

Enclosure 2: TR-0815-16497-P, "Safety Classification of Passive Nuclear Power Plant Electrical Systems," Revision 0, proprietary version

Enclosure 3: Affidavit, AF-1015-18507