



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

December 13, 2017

Mr. Thomas Bergman
Vice President, Regulatory Affairs
NuScale Power, LLC
1100 NE Circle Boulevard, Suite 200
Corvallis, OR 97330

SUBJECT: SAFETY EVALUATION FOR TOPICAL REPORT 0815-16497, REVISION 1,
"SAFETY CLASSIFICATION OF PASSIVE NUCLEAR POWER PLANT
ELECTRICAL SYSTEMS" (CAC NO. RQ6002)

Dear Mr. Bergman:

By letter dated October 29, 2015, NuScale Power, LLC (NuScale), submitted Topical Report (TR) 0815-16497, Revision 0, "Safety Classification of Passive Nuclear Power Plant Electrical Systems" (Agencywide Documents Access and Management System (ADAMS) Accession No. ML15306A263). On February 7, 2017, NuScale submitted proprietary and nonproprietary versions of TR-0815-16497, Revision 1 (ADAMS Accession No. ML17048A459).

The U.S. Nuclear Regulatory Commission (NRC) staff has found that the TR 0815-16497, Revision 1, is acceptable for referencing in licensing applications for the NuScale small modular reactor design to the extent specified and under the conditions and limitations delineated in the enclosed safety evaluation report (SER). The SER defines the basis for acceptance of the TR.

The NRC's acceptance applies only to matters approved in the subject TR. We do not intend to repeat our review of the acceptable matters described in the TR. When the report appears as a reference in license applications, our review will ensure that the material presented applies to the specific plant involved. Regulatory licensing action requests that deviate from this TR will be subject to additional staff reviews in accordance with applicable review standards.

In accordance with the guidance provided on the NRC's TR website (<http://www.nrc.gov/about-nrc/regulatory/licensing/topical-reports.html>), we request that NuScale publish an accepted version of this TR within three months of receipt of this letter. The accepted version shall incorporate this letter and the enclosed safety evaluation between the title page and the abstract. It must be well indexed such that the information is readily located. Also, it must contain in its appendices historical review information, such as questions and accepted responses, and original report pages that were replaced. The accepted version shall include an "-A" (designated accepted) following the report identification symbol.

T. Bergman

2

If the NRC's criteria or regulations change so that its conclusion in this letter, that the TR is acceptable, is invalidated, NuScale and/or the applicant referencing the TR will be expected to revise and resubmit its respective documentation, or submit justification for the continued applicability of the TR without revision of the respective documentation.

Sincerely,

Francis M. Akstulewicz, Director **/RA Anna Bradford Acting for/**
Division of New Reactor Licensing
Office of New Reactors

Docket No. PROJ0769

Enclosure:
Safety Evaluation

cc w/encl: DC NuScale Power LLC Listserv

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