

To: [Regulatory Affairs](#)
Cc: [Norris, Rebecca](#); [Dudek, Michael](#); [Tesfaye, Getachew](#); [Cummings, Kristopher](#); [Patton, Rebecca](#); [Donoghue, Joseph](#); [Ross-Lee, MJ](#); [Barrett, Antonio](#)
Subject: Completeness determination for NuScale Topical Report, TR-108601, Revision 0, "Statistical Subchannel Analysis Methodology"
Date: Monday, February 28, 2022 5:08:52 AM

Regarding the completeness determination for NuScale Power, LLC Submittal of TR-108601, Revision 0, "Statistical Subchannel Analysis Methodology." The LTR was submitted by letter dated December 30, 2021 (Agencywide Documents Access and Management System [ADAMS] Accession No. ML21364A132 - package) and due to holiday schedule was provided to the staff on January 4, 2022. Additional supplemental data tables were sent via compact disk and letter dated February 10, 2022 (ADAMS Accession No. ML22041A448).

NuScale-TR-108601, Rev. 0, "Statistical Subchannel Analysis Methodology, Supplement 1 to TR-0915-17564-P-A, Revision 2," (SSAM) did not provide sufficient technical information to enable the NRC to complete its review and make an independent assessment regarding the acceptability of the updated methodology.

The SSAM does not provide an assessment of the impact to critical heat flux (CHF) calculations associated with the nodalization change proposed in the SSAM. Section 3.7, "Basemodel" of SSAM identifies that nodalization impacts the prediction of CHF. Accordingly, a change to the nodalization impacts the data reduction calculations used in the development of CHF correlations and associated limits. The staff determined that the impact on the prediction of CHF, and associated impact on the development of the CHF correlations and their limits needs to be assessed.

NuScale should provide a supplement that addresses this gap in information to TR-108601, Revision 0, within 60 days of the date of this email.

If you have any questions, please feel free to contact me at 301-415-6715.

Thank you,

Bruce M. Bavor

Project Manager
Office of Nuclear Reactor Regulation
DNRL/NRLB

Docket No.: 99902078