



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

May 22, 2025

Mr. Carrie Fosaaen  
Vice President, Regulatory  
Affairs and Services  
NuScale Power, LLC.  
1100 NE Circle Boulevard,  
Suite 200  
Corvallis, OR 97330

SUBJECT: FINAL SAFETY EVALUATION REPORT FOR THE NUSCALE US460  
STANDARD PLANT DESIGN

Dear Ms. Fosaaen:

This letter is to inform you that the U.S. Nuclear Regulatory Commission (NRC) staff has completed the final safety evaluation report (FSER) for the standard design approval application for the US460 small modular reactor (SMR) design submitted by NuScale Power, LLC (NuScale), which was accepted for docketing on July 31, 2023 (available in the NRC Agencywide Documents Access and Management System (ADAMS) at Accession No. ML23198A157)

As described in the FSER, the staff has determined that the US460 SMR design meets the applicable requirements for standard design approval in Subpart E, "Standard Design Approvals," of title 10 of the *Code of Federal Regulations* (10 CFR), Part 52, "Licenses, Certifications, and Approvals for Nuclear Power Plants."

The staff will place the FSER in the NRC's public document room and will make it publicly available under ML25086A073, consistent with the proprietary verification you completed in May 2025.

If you have questions about this report, please contact Getachew Tesfaye at (301) 415-8013, or by e-mail to [Getachew.Tesfaye@nrc.gov](mailto:Getachew.Tesfaye@nrc.gov).

Sincerely,

/RA/

Michele Sampson, Director  
Division of New and Renewed Licenses  
Office of Nuclear Reactor Regulation

Docket No.: 052-50  
and Project No.: 99902078

cc: NuScale US460 Standard  
Design Approval GovDelivery

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STANDARD PLANT DESIGN  
DATED: MAY 22, 2025

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GovDelivery: NuScale US460 Standard Design Approval (SDA)

**ADAMS Accession No.: ML25128A028****NCP-2025-002: ML25133A110****NRR-106**

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