

December 21, 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 Requests Safeguards Reference Materials

**REFERENCE:** U.S. Nuclear Regulatory Commission Summary of the September 20, 2022, Observation Public Meeting to Discuss the Carbon Free Power Project (CFPP) Plans to Address Requirements Related to Emergency Planning and Physical Security (ML22270A009)

NuScale Power, LLC (NuScale) conducted a public meeting with the NRC technical staff regarding the CFPP plans for physical security on September 20, 2022 (Reference). During this meeting, attendees discussed the need for certain Safeguards documents that are referenced in U.S. Nuclear Regulatory Commission, "Guidance for the Application of the Radiological Sabotage Design-Basis Threat in the Design, Development and Implementation of a Physical Security Program," Regulatory Guide 5.69, Revision 1, March 2022, page A-1. NuScale has obtained numerous documents, but several are still needed. Mr. Steven Vitto, NRC/NSIR, was generous to offer his help in obtaining needed documents.

The purpose of this letter is to request copies of the following documents, as referenced in Regulatory Guide 5.69.

1. Sulfredge, D., "Waterborne Sub-surface Blast Effects to the Design Basis Threat," Oak Ridge National Laboratory, Oak Ridge, TN, November 10 2003. (Safeguards Information)
2. Sulfredge, D., "Waterborne Surface Blast Effects to the Design Basis Threat," D. Sulfredge, Oak Ridge National Laboratory, Oak Ridge, TN, November 10, 2003. (Safeguards Information)
3. WINGARD (Window Glazing Analysis Response and Design) [Computer Program]. Washington, D.C.: U.S. General Services Administration . (Restricted)
4. U.S. Air Force, "Explosive Safety Standards," AFR 127-100, August 1990. (Unclassified)
5. Department of the Army-Waterways Experiment Station, "Airblast Testing & Analysis of Thin-Wall Tanks," September 1994. (Safeguards Information)
6. U.S. Army Engineering Research and Development Center, "Analysis of Condensate Water Storage Tanks: Determination of the Minimum Safe Standoff for a Vehicle Bomb," July 2002. (Safeguards Information)

7. Army Research Laboratory, Memorandum for U.S. Nuclear Regulatory Commission, Subject: "Guidance on Antipersonnel Effects of Blast Overpressure," U.S. Army, April 12, 2006. (Official Use Only)
8. U.S. Army Corps of Engineers, "Design Guidance for Vehicle Barrier Systems for Protection of Nuclear Power Plants," PDC-NRC 09-04, Omaha, NE, April 2010. (Safeguards Information)
9. U.S. Army Corps of Engineers, "Evaluating Adequacy of Landform Obstacles as Vehicle Barriers," PDC-TR 06-05, Revision 1, Omaha, NE, July 2009. (Official Use Only)
10. U.S. Army Corps of Engineers, "Passive Inertial Barrier Design Guidance," PDC-TR 06-06, Omaha, NE, August 2007. (Official Use Only)
11. U.S. Army Corps of Engineers, "Vehicle Access Control. Point Guidance," PDC-TR 06-09, Omaha, NE, April 2008. (Unclassified)
12. Sandia National Laboratories, "Technology Transfer Manual, Access Delay Technology, Volume 1," SAND2011-9366, Albuquerque, NM, 2011. (Unclassified Controlled Nuclear Information)
13. Sandia National Laboratories, Technology Transfer Manual Series: SAND99-2390, SAND2000-2142, SAND99-2486, SAND99-2391, SAND99-2388, SAND99-2392, and SAND99-2389. Albuquerque, NM, September, 2013. (Unclassified Controlled Nuclear Information)
14. U.S. Nuclear Regulatory Commission, "Technical and Operational Feasibility of Radio Jamming," Washington, D.C., May 14, 2009. (Official Use Only)
15. U.S. Army Corps of Engineers, "Body Armor Ballistic Testing Data Package Summary," PDC-NRC 08-03 (DP), Omaha, NE, August 2008. (Official Use Only-Security-Related Information)
16. U.S. Army Corps of Engineers, "Body Armor Ballistic Testing Executive Summary," PDC-NRC 08-03 (ES), Omaha, NE, August 2008. (Official Use Only-Security-Related Information)
17. Sandia National Laboratories, "Nuclear Power Plant Security Assessment Technical Manual," SAND-2007-5591, Albuquerque, NM, September 2007. (Unclassified)
18. Sandia National Laboratories, "Penetration of Heating, Ventilating, and Air Conditioning (HVAC) Ducts," SAND79-0336, Albuquerque, NM, July 1980. (Official Use Only, Specified External Distribution Only)
19. U.S. Nuclear Regulatory Commission, "Guidance on the Protection of Unattended Openings that Intersect a Security Boundary or Area," Regulatory Issue Summary 2005-04, April 14, 2005. (Official Use Only-Security-Related Information)
20. Nuclear Energy Institute, "Unattended Openings," NEI-09-05, Revision 0, November 2010. (Safeguards Information)

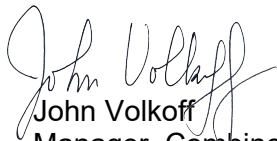
If these documents can be obtained, either in electronic format or hard copy, please send them to the following address:

NuScale Power, LLC  
Attention: Brandon Hanson  
1100 NE Circle Blvd., Suite 200  
Corvallis, Oregon 97330

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

If you have any questions, please contact Susan Baughn at 541-452-7319 or at [sbaughn@nuscalepower.com](mailto:sbaughn@nuscalepower.com).

Sincerely,



John Volkoff  
Manager, Combined License Applications  
NuScale Power, LLC

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