

June 25, 2010

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
One White Flint North
11555 Rockville Pike
Rockville, MD 20852-2738

SUBJECT: NuScale Power Submittal of Proprietary Preliminary Loss-of-Coolant Accident Thermal-Hydraulics and Neutronics Phenomena Identification and Ranking Table Licensing Topical Report (NRC Project No. 0769)

REFERENCE: 1. NuScale Response to Regulatory Issue Summary (RIS) 2010-03, "Licensing Submittal Information for Small Modular Reactor Designs," March 20, 2010. ADAMS ML100810155.

In accordance with the submittal schedule described in Reference 1 and to support development of a high-quality NuScale design certification application, the attached Licensing Topical Report provides the Preliminary Loss-of-Coolant Accident Thermal-Hydraulic and Neutronics Phenomena Identification and Ranking Table (NP-TR-0610-289) for review by the NRC as called out in Regulatory Guide 1.203, Transient and Accident Analysis Methods.

Enclosure 1 contains NuScale Power proprietary information as defined by 10 CFR 2.390. NuScale Power customarily maintains this information in confidence and withholds it from public disclosure. A non-proprietary version of Enclosure 1 will be provided in a separate submittal.

The affidavit contained in Enclosure 2 identifies that the information contained in Enclosure 1 has been handled and classified as proprietary to NuScale Power. NuScale Power hereby requests that the information in Enclosure 1 be withheld from public disclosure in accordance with the provisions of 10 CFR 2.390 and 9.17.

If you have any questions or require additional information, please contact me.

Sincerely,



Thomas F. Marcille
Chief Operating Officer

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Enclosures:

1. NP-TR-0610-289, "Preliminary Loss-of-Coolant Accident Thermal-Hydraulics and Neutronics Phenomena Identification and Ranking Table", Revision 0, NuScale Proprietary Information
2. Affidavit, Thomas F. Marcille, June 25, 2010

cc: Paul Lorenzini, CEO, NuScale
Kent B. Welter, Safety Analysis Manager, NuScale
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