

December 20, 2013

MEMORANDUM TO: Anna H. Bradford, Branch Chief
Small Modular Reactor Licensing Branch 2
Division of Advanced Reactors & Rulemaking
Office of New Reactors

FROM: Gregory V. Cranston, Senior Project Manager /RA/
Small Modular Reactor Licensing Branch 2
Division of Advanced Reactors & Rulemaking
Office of New Reactors

SUBJECT: NRC PRE-APPLICATION AUDIT OF THE NUSCALE
ROCKVILLE OFFICE DOCUMENTS

As part of its pre-application activities pertaining to the development of the Design Specific Review Standards (DSRS) that assist the Nuclear Regulatory Commission (NRC) staff in reviewing the design when submitted to the NRC for review from NuScale Power LLC. (NuScale), members of the NRC staff performed an audit of the draft sets of systems descriptions and functional diagrams for selected systems of their small modular reactor (SMR) at the NuScale office in Rockville, MD during the period from June 1, 2013, to September 30, 2013.

In a letter dated June 3, 2013 (ML13149A455), a letter was sent to NuScale to inform them of the NRC's staff plans to periodically review documents located at the NuScale office located at 11333 Woodglenn Drive, Rockville, MD, 20852, from the period mentioned above. In addition, that letter stated that the staff would generate an audit summary consisting of the documents audited by the staff within that phase. This letter is that audit summary.

Below are the dates of the Rockville office audits, individuals that participated in the audits and the associated documents that were reviewed:

Date: 5/28/13

Documents reviewed: Section 9.2.5 Ultimate Heat Sink; Decay Heat Removal Functional Specification MP-FS-B030-508; Decay Heat Removal System Design Description (pages 20-40) NP-SD-B030-1472; 9.2.1 Station Service Water; 9.2.2 Reactor Component Cooling Water (RCCW); 9.2.7 Site Cooling Water System; Reactor Component Cooling Water NP12-00-B200-M-PD-1685 sheets 1 and 2; Circulating Water NP12-6A-C090-M-PD-1831 sheets 1, 2, & 3 (CWS).

Attendees: Bob Vettori (NRO), Larry Wheeler (NRO), George Thomas (NRO), and Matt Thomas (NRO)

Date: 7/17/13

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Documents reviewed: Reactor Coolant System Design Description, RXM Electrical and I&C Interface Diagram, Reactor Coolant System P&ID and Reactor Coolant System Process Flow Diagrams.

Attendees: Joseph Ashcraft (NRC), Timothy Mossman (NRC)

Project No.: 0769

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Date: 7/17/13

Documents reviewed: Reactor Coolant System Design Description, RXM Electrical and I&C Interface Diagram, Reactor Coolant System P&ID and Reactor Coolant System Process Flow Diagrams.

Attendees: Joseph Ashcraft (NRC), Timothy Mossman (NRC)

Project No.: 0769

cc: Distribution via Listserv

ADAMS ACCESSION No.: ML13308C437

***via E-mail**

NRO-002

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