

April 19, 2016

MEMORANDUM TO: Mark Tonacci, Chief
Licensing Branch 1
Division of New Reactor Licensing
Office of New Reactors

FROM: Omid Tabatabai, Senior Project Manager /RA/
Licensing Branch 1
Division of New Reactor Licensing
Office of New Reactors

SUBJECT: SUMMARY OF MARCH 30, 2016, CLOSED MEETING WITH
NUSCALE POWER, LLC, TO DISCUSS NUSCALE'S SPENT
AND NEW FUEL RACK DESIGN (CAC # RN6110)

On March 30, 2016, representatives of the U.S. Nuclear Regulatory Commission (NRC) staff and NuScale Power, LLC (NuScale) held a closed meeting at the NuScale office located at 11333 Woodglen Ave., Suite 205, Rockville, Maryland, 20852, to discuss NuScale's spent and new fuel rack design.

During the meeting, NuScale provided information on topics related to its spent fuel storage rack design including design approach, modeling techniques, seismic analysis, criticality analysis, thermal hydraulic analysis, metal matrix composite characteristics, and coupon surveillance program. Additionally, NuScale provided, but did not discuss in detail, similar information related to its new fuel storage rack because it will be an option for a combined license applicant.

The meeting agenda and the list of meeting attendees are included in Enclosures 1 and 2, respectively. The meeting notice is available in the NRC's Agencywide Documents Access and Management System (ADAMS) under Accession No. ML16064A214. The proprietary and non-proprietary presentation slides are also in ADAMS with Accession Nos. ML16078A219 and ML16078A218, respectively. Please direct any inquiries to Omid Tabatabai at (301) 415-6616 or via email to Omid.Tabatabai@nrc.gov.

CONTACT: Omid Tabatabai, NRO/DNRL
(301) 415-6616

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Project No.: PROJ0769

Enclosures:

1. Meeting Agenda
2. Attendees

cc: NuScale DC Listserv

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Project No.: PROJ0769

Enclosures:

1. Meeting Agenda
2. Attendees

cc: NuScale DC Listserv

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***via email**

NRC-001

OFFICE	PM:NRO/DNRL/LB1	LA:NRO/DNRL/LB1	PM:NRO/DNRL/LB1
NAME	OTabatabai	MBrown*	GCranston*
DATE	4/20/2016	4/20/2016	4/19/2016

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Meeting Agenda

March 30, 2016

1:00 pm – 1:10 pm	Introductions
1:10 pm – 2:15 pm	Spent Fuel Storage Rack <ul style="list-style-type: none">• Design approach• Model• Seismic analysis• Criticality analysis• Thermal hydraulic analysis
2:15 pm – 2:30 pm	Break
2:30 pm – 2:50 pm	New Fuel Storage Rack <ul style="list-style-type: none">• Design approach• Seismic analysis• Criticality analysis
2:50 pm – 3:15 pm	Metal Matrix Composite Characteristics
3:15 pm – 3:45 pm	Coupon Surveillance Program
3:45 pm – 4:00 pm	Summary and Conclusions

List of Attendees

Greg Cranston, NRC
Ata Istar, NRC
Jinsuo Nie, NRC
Jeff Schmidt, NRC
Andrew Yeshnik, NRC
Alex Burja, NRC
Mark Tonacci, NRC
Steve Mirsky, NuScale
Steven Unikewicz, NuScale
Guy Martin, NuScale
Jennie Wike, NuScale
Chelsea Burnham, NuScale
Mark Shaver, NuScale
Mark Manderbach, NuScale
Rick Biasca, NuScale
Marty Bryan, NuScale
Jeff Seals, AREVA
Barbara Hubbard, AREVA