

December 03, 2015

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

FROM: Demetrius Murray, Project Manager */RA/*  
Licensing Branch 1  
Division of New Reactor Licensing  
Office of New Reactors

SUBJECT: NOTICE OF CLOSED MEETING WITH NUSCALE POWER, LLC  
TO DISCUSS HIGH ENERGY LINE BREAK, JET IMPINGEMENT  
METHODOLOGY, PIPE RESTRAINTS / SHIELDS AND LEAK  
BEFORE BREAK PIPE RUPTURE ANALYSIS.

DATE & TIME: Wednesday, December 09, 2015  
12:30 pm – 4:30 pm

LOCATION: NuScale Power, LLC  
11333 Woodglen Dr. Suite 205  
Rockville, Maryland 20852

PURPOSE: The purpose of this meeting is for NuScale to provide an overview of piping design and a description of NuScale methodology for high energy line break (HELB), jet impingement methodology, pipe restraints / shields and leak before break (LBB) and demonstrate how jet impingement will be mitigated at the source and describe the use of the ISR device to mitigate dynamic effects of pipe-whip and provide jet shielding. The NRC has determined, in accordance with Title 10 in the *Code of Federal Regulations* 2.390 that the information discussed during the meeting is proprietary in nature and therefore should be closed to the public.

PARTICIPANTS: NRO Staff NuScale Power, LLC  
Mark Tonacci Steven Mirsky  
John McKirgan Stephanie Seely  
Gregory Cranston Steven Unikewicz  
Theresa Clark Cyrus Afshar, et al  
Matthew Mitchell  
Demetrius Murray, et al

ENCLOSURE: Meeting Agenda

MEETING CONTACTS: Gregory Cranston, NRO Demetrius Murray, NRO  
301-415-0546 301-415-7646  
[gregory.cranston@nrc.gov](mailto:gregory.cranston@nrc.gov) [demetrius.murray@nrc.gov](mailto:demetrius.murray@nrc.gov)

December 3, 2015

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Division of New Reactor Licensing  
Office of New Reactors

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DATE & TIME: Wednesday, December 9, 2015  
12:30 pm – 4:30 pm

LOCATION: NuScale Power, LLC  
11333 Woodglen Dr. Suite 205  
Rockville, Maryland 20852

PURPOSE: The purpose of this meeting is for NuScale to provide an overview of piping design and a description of NuScale methodology for high energy line break (HELB), jet impingement methodology, pipe restraints / shields and leak before break (LBB) and demonstrate how jet impingement will be mitigated at the source and describe the use of the ISR device to mitigate dynamic effects of pipe-whip and provide jet shielding. The NRC has determined, in accordance with Title 10 in the *Code of Federal Regulations* 2.390 that the information discussed during the meeting is proprietary in nature and therefore should be closed to the public.

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[gregory.cranston@nrc.gov](mailto:gregory.cranston@nrc.gov) [demetrius.murray@nrc.gov](mailto:demetrius.murray@nrc.gov)

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**NRO-001**

<b>OFFICE</b>	PM:NRO/DNRL/LB1	PM:NRO/DNRL/LB1
<b>NAME</b>	DMurray	GCranston
<b>DATE</b>	12/03/2015	12/03/2015

## **Meeting Agenda**

NuScale Power, LLC  
11333 Woodglen Dr. Suite 205  
Rockville, Maryland 20852

### **Wednesday, December 9, 2015**

12:30 pm – 12:45 pm	Introductions
12:45 pm - 1:45 pm	High-Energy line break
1:45 pm –2:45 pm	Jet Methodology
2:45 pm – 3:00 pm	BREAK
3:00 pm – 3:45 pm	Jet Impingement
3:45 pm – 4:15 pm	Leak Before Break
4:15 pm – 4:30 pm	Closing

Enclosure