

April 8, 2013

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

FROM: Wesley W. Held, Project Manager /RA/
Small Modular Reactor Licensing Branch 2
Division of Advanced Reactors and Rulemaking
Office of New Reactors

SUBJECT: SUMMARY OF DECEMBER 13, 2012, PUBLIC MEETING TO
DISCUSS PROPOSED INDUSTRY APPROACH TO INTEGRAL
PRESSURIZED WATER REACTOR ACCIDENT SOURCE TERM
ANALYSIS AND EMERGENCY PLANNING EVALUATION

On December 13, 2012, the U.S. Nuclear Regulatory Commission (NRC) staff held a public meeting with the Nuclear Energy Institute (NEI) to discuss the industry's proposed approach for integral pressurized water reactors (iPWRs) on source term analysis and emergency planning evaluation in advance of the planned submittal of position papers on those topics. The purpose of the meeting was to continue dialogue between the NRC staff and NEI on the two planned papers.

Summary

Mr. Wesley Held, Small Modular Reactor Licensing Branch 2 (SMRLB2), Division of Advanced Reactors and Rulemaking (DARR), Office of New Reactors (NRO), opened the meeting. Mr. Held provided some background information on recent activities regarding the two topics. Following his remarks, Mr. Held turned the meeting over to Mr. TJ Kim, NEI, for his opening remarks and the NEI presentations. Mr. Kim stated that he appreciated the staff's willingness to meet on the two topics and looked forward to discussion on the topics.

Mr. Steve Mirsky, NuScale Power, gave a presentation on source term for iPWRs. Mr. Mirsky's presentation covered some of the unique SMR source term features, regulatory issues and proposed resolution, potential areas for research, and a planned path forward. Following Mr. Mirsky's presentation, Dr. David Leaver gave a presentation that discussed a proposed methodology and criteria for establishing a technical basis for SMR emergency planning zone (EPZ) sizing. Dr. Leaver discussed the proposed methodology, including ongoing work and a draft position paper. He also laid out a path forward for the SMR EPZ sizing initiative.

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During the course of the presentations, NRC staff shared their thoughts and asked follow-up questions to further their understanding of the material presented. Following the discussion with NEI, the NRC staff also answered a number of questions from external stakeholders. NRC staff then offered closing remarks, thanked the NEI presenters for their participation, and adjourned the meeting.

The slides from the NEI presentations are available through the Agency wide Documents Access and Management System (ADAMS) under ML12346A068. ADAMS is the system that provides text and image files of NRC's public documents. Documents are available electronically at the NRC's Electronic Reading Room at <http://www.nrc.gov/reading-rm/adams.html>. If you do not have access to ADAMS or have problems accessing the documents located in ADAMS, contact the NRC Public Document Room (PDR) staff at 1-800-397-4209, 301-415-4737, or pdr@nrc.gov.

Enclosure:
Participant List

cc w/encl: NEI New Reactors Mailing List

NRC staff shared their thoughts on the presentations and asked follow-up questions to further their understanding of the material presented. NRC staff also answered a number of questions from external stakeholders. Hearing no further questions, Mr. Held thanked the staff and NEI presenters for their participation and adjourned the meeting.

The slides from the NEI presentations are available through the Agency wide Documents Access and Management System (ADAMS) under ML12346A068. ADAMS is the system that provides text and image files of NRC's public documents. Documents are available electronically at the NRC's Electronic Reading Room at <http://www.nrc.gov/reading-rm/adams.html>. If you do not have access to ADAMS or have problems accessing the documents located in ADAMS, contact the NRC Public Document Room (PDR) staff at 1-800-397-4209, 301-415-4737, or pdr@nrc.gov.

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PUBLIC MEETING TO DISCUSS PROPOSED INDUSTRY APPROACH TO INTEGRAL PRESSURIZED WATER REACTOR ACCIDENT SOURCE TERM ANALYSIS AND EMERGENCY PLANNING EVALUATION

December 13, 2012

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(Revised 03/07/2013)

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