

September 23, 2015

MEMORANDUM TO: Gregory T. Bowman, Chief  
Policy and Support Branch  
Japan Lessons-Learned Division  
Office of Nuclear Reactor Regulation

FROM: Rajender Auluck, Senior Project Manager */RA/*  
Policy and Support Branch  
Japan Lessons-Learned Division  
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF AUGUST 25, 2015, MEETING TO DISCUSS  
ACTIVITIES ASSOCIATED WITH IMPLEMENTATION OF  
NEAR-TERM TASK FORCE RECOMMENDATION 5.1 RELATED TO  
CONTAINMENT VENTING SYSTEMS

On August 25, 2015, a Category 2 public meeting was held between the U. S. Nuclear Regulatory Commission (NRC) staff, representatives from the Nuclear Energy Institute (NEI), and the Boiling Water Reactor Owners Group (BWROG) (Agencywide Documents Access and Management System (ADAMS) Accession No. ML15218A482), to continue discussions on activities directed by the Commission in a staff requirements memorandum (SRM) dated March 19, 2013 (ADAMS Accession No. ML13078A017), SRM-SECY-12-0157, "Consideration of Additional Requirements for Containment Venting Systems for Boiling Water Reactors [BWRs] with Mark I and Mark II Containments." These discussions were related to the NRC's implementation of Order EA-13-109 (ADAMS Accession No. ML13130A067), which addressed Recommendation 5.1 of the Near-Term Task Force report, "Enhancing Reactor Safety in the 21st Century," issued July 12, 2011 (ADAMS Accession No. ML111861807). The focus of the meeting was to finalize the template, to the extent possible, to support the BWR vent workshop organized by the NEI and scheduled for September 14 and 15, 2015. Once finalized, licensees with BWR Mark I and Mark II containments will use the template in preparation of their site-specific overall integrated plan (OIP) to comply with the requirements for Phase 2 of the order, which is scheduled for submittal to the NRC by December 31, 2015.

The NRC staff began the meeting by summarizing the progress made since the last meeting held on July 28, 2015. The staff completed review of "HCVS [hardened containment vent system] Phase 1 and 2 Overall Integrated Plan Template," Rev. 0B4 draft provided at the July 28<sup>th</sup> meeting. The NRC staff highlighted areas where additional clarifications and/or details are needed. Mostly, these were in sections related to OIP elements and assumptions, severe accident water addition, and severe accident water management. The NRC staff comments were noted in the document itself (ADAMS Accession No. ML15233A086) are publically

CONTACT: Rajender Auluck, NRR/JLD  
301-415-1025

available. The staff also completed its review of the draft white paper (WP) HCVS-WP-04 related to design for protection from tornado missiles for HCVS components 30 feet above grade.

The industry presentation began with an update on the schedule and interim milestones for completing the OIP template. The presentation noted that the target date for submittal to the NRC staff for review and endorsement is September 25, 2015, with a requested NRC review time of two weeks, which provides sufficient time for licensees to prepare their site-specific OIPs. Next, the presentation discussed the proposed changes made in the draft WP titled "Missile Evaluation for HCVS Components 30 Feet Above Grade" based on staff's comments provided at the July 28<sup>th</sup> meeting. The final version of this WP has already been submitted to the staff for review and endorsement (ADAMS Accession No ML15231A491). Additionally, HCVS-FAQ (frequently asked question) -10, Revision 0, related to severe accident multiple unit response, was also included in this request for the NRC staff review. This FAQ clarifies that licensees are only required to validate severe accident response actions assuming severe accident conditions for a single site (simultaneous with extended loss of alternating current power for all units), but must have the capability to perform severe accident response on each unit at the site. The industry presentation then discussed additional details on the proposed FAQs 11, 12, and 13 which relate to plant response during a severe accident (HCVS-FAQ-11), radiological evaluations on plant actions prior to HCVS initial use (HCVS-FAQ-12), and severe accident venting validation (HCVS-FAQ-13). Once the drafts are finalized, the industry WG will request NRC staff review.

Next, the industry presentation discussed each of the NRC staff comments on the proposed template, which were provided prior to the meeting and also made available to public. The industry presentation also provided specific information as to how this OIP template will be used for pilot plants Edwin I. Hatch Nuclear Plant, Units 1 and 2, and Nine Mile Point Nuclear Station, Unit 2. These revisions will be updated, as necessary, based on further discussions at the meeting and will be used at the NEI workshop scheduled for September 14 and 15, 2015. Based on licensees' feedback at the workshop, the template will be revised and submitted for NRC staff review and endorsement. The NRC staff agreed to review the proposed template, once submitted, and will support the schedule to the extent possible.

The NRC and industry meeting handouts can be found under ADAMS Accession Nos. ML15233A086, ML15231A491, ML15232A483, ML15236A219, ML15237A014 and ML15236A120, respectively.

Members of the public attended in person, through the bridge line and via webcast. At designated points during the meeting, members of the public were invited to provide any comments on the presentations. Members of the public asked some clarifying questions. The NRC staff responded to all questions.

Enclosure:  
List of Attendees

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See next page

**ADAMS Accession No.: ML15261A716**

<b>OFFICE</b>	NRR/JLD/PSB/PM	NRR/JLD/LA	NRR/JLD/PSB/BC	NRR/JLD/PSB/PM
<b>NAME</b>	RAuluck	SLent	GBowman	RAuluck
<b>DATE</b>	9/21/2015	9/21/2015	9/22/2015	9/23/2015

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**NRC Public Meeting  
Recommendation 5.1 Related to Containment Venting System  
August 25, 2015**

**List of Attendees**

<b>Name</b>	<b>Organization</b>
Rajender Auluck	U. S. Nuclear Regulatory Commission (NRC)
Randy Bunt	Southern Nuclear Operating Company
William Reckley	NRC
Nageswara Karipineni	NRC
Sud Basu	NRC
Tim Devik	PS&E Nuclear, LLC
Robert Ginsberg	Duke Energy
Jim Peschel	Certrec Corporation
Phil Amway	Exelon
Patrick Fallon	DTE Energy
Steve Kraft	Nuclear Energy Institute
Terry Farthing	GE Hitachi
Marvis Lewis	Public
Craig Nichols	Tennessee Valley Authority

Enclosure

<b>Name</b>	<b>Organization</b>
Derwood Tootle	Southern Nuclear
Dan Jacobsen	Entergy
Jerome Bettie	NRC
Brian Lee	NRC
Elijah Dickson	NRC
Hossain Esmaili	NRC
Ed Fuller	NRC
Milton Valentin	NRC
Ronaldo Szilard	Idaho National Laboratory