



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001**

August 16, 2017

**MEMORANDUM TO:** Stewart N. Bailey, Chief  
Containment and Balance of Plant Branch  
Japan Lessons-Learned Division  
Office of Nuclear Reactor Regulation

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

**SUBJECT:** SUMMARY OF JULY 26, 2017, MEETING TO DISCUSS ACTIVITIES  
ASSOCIATED WITH IMPLEMENTATION OF NEAR-TERM TASK  
FORCE RECOMMENDATION 5.1 RELATED TO CONTAINMENT  
VENTING SYSTEMS

On July 26, 2017 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML17193A394), 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), 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 (NTTF) report for Enhancing Reactor Safety in the 21st Century report, issued July 12, 2011 (ADAMS Accession No. ML111861807). The main focus of the meeting was on the development of a template for licensees with BWR Mark I and Mark II containments to use in preparation of their site-specific final integrated plan (FIP) to comply with the requirements of the order.

The meeting began with brief introductions and discussion of a common goal of cooperation to expedite ways to improve processes, procedures, and guidance regarding the implementation of requirements included in NRC Order EA-13-109. All parties recognized that the order compliance date for some plants is not until mid-2019 and that it may be in everyone's best interest to have a clear understanding and consistent guidance available to meet the order requirements. The NRC management also agreed and stated that they fully understand the

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importance of durability of staff actions, including closure of open items (OIs) identified in the interim staff evaluations (ISEs). The staff is exploring possible ways to document staff actions relative to closure of OIs and verification of implementation of order requirements.

The NRC staff began the meeting by summarizing the progress made since the last meeting, which was held on June 1, 2017. As discussed in the meeting, the staff provided its comments on NEI's proposed draft dated June 2017, for the FIPs. These comments were made publicly available and provided to NEI in preparation for the meeting. The NRC staff discussed these comments at the meeting and provided clarifications as needed. Next, the staff presented their proposal related to closure of ISE OIs including documentation and durability of staff actions.

Next, the staff stated that as part of the Order EA-13-109 requirements, some plants are already in compliance with Phase 1 of the order and the staff has started its review regarding closure of Phase 1 ISE OIs via audit calls. Several audit calls have been successfully completed. Based on the lessons-learned from these audit calls and discussions held at the public meetings, the staff recognizes that several licensees have also completed and closed Phase 2 ISE OIs. Therefore, moving forward, if the licensee is ready, the staff will include discussions on closure of both Phase 1 and Phase 2 ISE OIs in the audit calls. Next, the NRC staff described the process they would like to use for documenting the closure of ISE OIs. The staff shared a table template "SE [safety evaluation] Open Item Status" which will be prepared by the NRC staff after completion of OI closure audit calls for both Phase 1 and Phase 2 of the order. The NRC will then send a letter with this table to the licensee. The staff believes that this process would provide adequate documentation and status of ISE OIs. The staff also shared at the meeting, a proposed template for completing selected sections of the SE based on information included in the draft FIP for the plant units and made it available on the ePortal. The industry representatives were receptive to the proposal and said it be would discussed at the next meeting. Next, the NRC staff provided a brief overview of Temporary Instruction (TI) 2515-193, "Inspection of the Implementation of EA-13-109: Order Modifying Licenses with Regard to Reliable Hardened Containment Vents Capable of Operation Under Severe Accident Conditions" (ADAMS Accession No. ML17102A560). The presentation noted that the inspection requirements of Phase 1 and Phase 2 of the order will be provided in Appendix A and Appendix B, respectively. The Hardened Containment Vent System (HCVS) design review will be completed by the NRR staff and during preparation of the inspection guidance, the staff has taken extra precautions to avoid duplicate and/or redundant reviews. The staff is expected to issue the inspection procedure by September 2017 and plans to conduct a pilot inspection sometime during the summer/fall 2018.

Following the NRC staff presentation, the industry representative summarized their comments on the proposed NRC inspection manual TI 2515/193. These comments were also part of the industry meeting handouts. Overall, the staff's responses to the industry comments was positive, as the staff felt that the comments provided additional clarifications helpful to all parties involved and will include to the extent possible in the proposed draft. Next, the industry presentation covered the draft HCVS FIP template (dated July 25, 2017), which had been revised based on discussions at the June 1, 2017, meeting and the staff comments which were provided earlier as part of preparation for this meeting. The presentation noted that most of the information in the template is of generic nature, but in several sections plant-specific information is included as examples. The staff suggested that a table could be included identifying all HCVS related I&C components, their locations, specifications and qualifications for the environment under which they are expected to be operable. This will be very helpful to the staff as it is very time consuming and not easy to navigate through a very large plant engineering change package and locate these components individually. The industry agreed to provide a

draft prior to the next public meeting. The industry also requested staff comments on the current draft FIP template as-soon-as possible to allow the NEI working Group (WG) to revise the draft template prior to the next meeting scheduled for August 17, 2017. The staff agreed to support the industry schedule to the extent possible.

The NRC and industry meeting handouts can be found under ADAMS Accession Nos. ML17207A090 and ML17207A073, respectively.

Members of the public attended the meeting in person and through the bridge line. 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

SUMMARY OF JULY 26, 2017, MEETING TO DISCUSS ACTIVITIES ASSOCIATED WITH IMPLEMENTATION OF NEAR-TERM TASK FORCE RECOMMENDATION 5.1 RELATED TO CONTAINMENT VENTING SYSTEMS

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**ADAMS Accession No.: ML17227A174**

<b>OFFICE</b>	NRR/JLD/JCBB/PM	NRR/JLD/LA	NRR/JLD/JCBB/BC	NRR/JLD/JCBB/PM
<b>NAME</b>	RAuluck	SLent	SBailey	RAuluck
<b>DATE</b>	08/16/2017	08/16/2017	08/16/2017	08/16/2017

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**NRC Public Meeting  
Recommendation 5.1 Related to Containment Venting System  
July 26, 2017**

**List of Attendees**

<b>Name</b>	<b>Organization</b>
Rajender Auluck	U. S. Nuclear Regulatory Commission (NRC)
Randy Bunt	Southern Nuclear Operating Company
Stewart Bailey	NRC
Kevin Roche	NRC
Kerby Scales	NRC
Lesa Hill	BWROG/SNC
Robert Ginsberg	Duke Energy
Jim Peschel	Certrec Corporation
Phil Amway	Exelon
John Parillo	NRC
Bruce Heida	NRC
Terry Farthing	GE Hitachi (GEH)
Jenna Bergman	Sciencetech/Nuclear Div.
Brian Lee	NRC

<b>Name</b>	<b>Organization</b>
Robert Mortensen	GEH/BWROG
Marvin Lewis	Public