

January 27, 2012

MEMORANDUM TO: Robert J. Pascarelli, Chief  
Projects Management Branch  
Japan Lessons-Learned Project Directorate  
Office of Nuclear Reactor Regulation

FROM: Robert J. Fretz, Senior Project Manager **/RA/**  
Projects Management Branch  
Japan Lessons-Learned Project Directorate  
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF JANUARY 17, 2012, PUBLIC MEETING ON  
IMPLEMENTATION OF NEAR-TERM TASK FORCE  
RECOMMENDATION 5.1, RELIABLE HARDENED VENTS,  
RELATED TO THE FUKUSHIMA DAIICHI NUCLEAR POWER  
PLANT ACCIDENT

On January 17, 2012, U.S. Nuclear Regulatory Commission (NRC, the Commission) staff held a public meeting with the Boiling Water Reactors Owners' Group (BWROG) to discuss the considerations relating to the implementation of the *Near-Term Task Force (NTTF) Recommendations for Enhancing Reactor Safety in the 21st Century* report, issued July 12, 2011 (Agencywide Documents Access Management System (ADAMS) Accession No. ML111861807). The meeting was a follow up to the December 15, 2011, public meeting that focused on NTTF Recommendation 5.1, reliable hardened vents, which is part of the Tier 1 recommendations under consideration for implementation without unnecessary delay. Recommendation 5.1 is related to mitigation and specifically calls for the Commission to order licensees to include a reliable hardened vent for boiling-water reactor plants with the Mark I and Mark II containment design.

The NRC staff provided an update since the last meeting, including an accelerated schedule for all Tier 1 NTTF recommendations to be issued by March 9, 2012, as well as the NRC NTTF Steering Committee decision that additional information is needed on potential filters for the reliable hardened vent for applicable licensees. The NTTF Steering Committee has asked the NRC staff to prepare a policy issue paper which will be presented to the Commission for a notation vote by the summer of 2012 relating to the filtered vent issue. The staff also outlined its current views relating to possible new regulatory requirements for reliable hardened vents. The NRC staff slides can be obtained from ADAMS Accession No. ML12013A230.

The industry and BWROG representatives presented its proposed response to the December 15, 2011, public meeting related to a hardened filtered vent in the terms of two distinct phases. Phase 1 would employ a reliable hardened vent integrated with the Nuclear Energy Institute's (NEI) "Integrated, Diverse & Flexible Mitigation Capability" (FLEX) initiative which is the strategy for preventing reactor core damage during a non-specific natural phenomena event which causes an extended station black out event like Fukushima. Phase 2 would center on a post-core damage response strategy to reliably vent containment and

manage radiological release for an extended station blackout. Both the NRC NTTF Steering Committee and BWROG believe that more study on hardened vent filtration is needed before issuing new requirements to applicable licensees. The BWROG slides can be obtained from ADAMS Accession No. ML12019A122.

Following the BWROG presentation, discussions between the NRC staff and industry representative focused on potential reliable hardened vent performance requirements. The NRC staff also sought input and comments from members of the public and non-governmental organization representatives.

Enclosure:  
List of Attendees

manage radiological release for an extended station blackout. Both the NRC NTTF Steering Committee and BWROG believe that more study on hardened vent filtration is needed before issuing new requirements to applicable licensees. The BWROG slides can be obtained from ADAMS Accession No. ML12019A122.

Following the BWROG presentation, discussions between the NRC staff and industry representative focused on potential reliable hardened vent performance requirements. The NRC staff also sought input and comments from members of the public and non-governmental organization representatives.

Enclosure:  
List of Attendees

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<b>NAME</b>	RFretz	SRohrer	RPascarelli	RFretz
<b>DATE</b>	1/26/12	1/26/12	1/27/12	1/27/12

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LIST OF ATTENDEES

U.S. NUCLEAR REGULATORY COMMISSION

JANUARY 17, 2012, PUBLIC MEETING ON

RECOMMENDATION 5.1 OF THE NEAR-TERM TASK FORCE REPORT

RELATED TO THE FUKUSHIMA DAIICHI NUCLEAR POWER PLANT ACCIDENT

Name	Organization
Robert Fretz	U.S. Nuclear Regulatory Commission (NRC)
Robert Dennig	NRC
Timothy Collins	NRC
Allen Notafrancesco	NRC
Jerome Bettle	NRC
Brian Richter	NRC
Rich Laura	NRC
William Orders	NRC
Greg Krueger	BWROG/Exelon
Ted Schiffley	BWROG/Exelon
Craig Nichols	BWROG/GEH
Rob Whelan	BWROG/GEH
Tony Browning	BWROG/NextEra DAEC
Tom Parker	BWROG/Xcel Energy
Fred Emerson	BWROG/Maracor Consulting
Tom Axley	TVA Browns Ferry
Roy Karimi	ERI
Damian Peko	DOE
Ed Fuller	NRC
Daniel Dorman	NRC
Charles Moldenhauer	Morgan Lewis
Glenn Kelly	Nuclear Safety Management
Tom Houghton	Certrec
Richard Dudley	NRC
Zach Gran	NRC
Patrick Castleman	NRC

ENCLOSURE

Name	Organization
Peter Alter	NRC
Aaron Szabo	NRC
Don Dube	NRC
Rachel Vaucher	NRC
William Meek	Worley Parsons
Paul Hansen	Enercon
Kirk Noonan	Worley Parsons
Alfred Hoffert	Worley Parsons
Mark Beaumont	URS
Thomas Hafin	Worley Parsons
James Shea	NRC
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Gary Pavis	Constellation Energy
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Nageswara Karipineni	NRC