



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

October 12, 2016

**MEMORANDUM TO:** Aida Rivera-Varona, Chief  
Hydrology and Meteorology Branch 2  
Division of Site Safety and Environmental Analysis  
Office of New Reactors

**FROM:** Joseph M. Sebrosky, Senior Project Manager */RA/*  
Hazards Management Branch  
Japan Lessons-Learned Division  
Office of Nuclear Reactor Regulation

**SUBJECT:** SUMMARY OF SEPTEMBER 28, 2016, PUBLIC MEETING  
TO DISCUSS NUCLEAR REGULATORY COMMISSION  
STAFF'S PRELIMINARY ASSESSMENT OF FUKUSHIMA  
LESSONS LEARNED RELATED TO PERIODIC  
RECONFIRMATION OF NATURAL HAZARDS

On September 28, 2016 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML16271A035), the U.S. Nuclear Regulatory Commission (NRC) staff held a Category 2 public meeting to discuss the NRC staff's preliminary assessment of a post-Fukushima recommendation related to periodic reconfirmation of natural hazards. The staff's initial assessment of this recommendation was provided as Enclosure 2 of SECY-15-0137, "Proposed Plans for Resolving Open Fukushima Tier 2 and 3 Recommendations" (ADAMS Accession No. ML15254A006). In preparation for the public meeting the staff provided an updated assessment on September 22, 2016, in a document titled "White Paper: Fukushima Lessons Learned: Enclosure 2: Periodic Confirmation of Natural Hazards" (ADAMS Accession No. ML16236A012).

The purpose of the July 21, 2016, meeting was to discuss the staff's assessment found in the September 22, 2016, white paper and to solicit comments from industry and the public on the staff's preliminary assessment. A list of individuals in attendance at the meeting can be found as an enclosure to this summary. The NRC meeting handouts are available in ADAMS under Accession No. ML16270A464.

#### Highlights of Meeting

The staff provided a high-level overview of the process found in the white paper for periodic reconfirmation of natural hazards that consists of three primary components:

- Knowledge based activities – these activities include compiling and organizing natural hazard information such as the information that was provided in response to Near-Term Task Force Recommendation 2.1 (flooding and seismic reevaluations), and Recommendation 2.3 (flooding and seismic walkdown activities). Longer-term activities in this area include preserving, maintaining and updating information related to natural hazards.

- Active technical engagement and coordination – this component of the process involves periodic engagement with external organizations, as well as scientific and technical communities to ensure that the staff routinely and systematically collects new hazard information from a variety of sources.
- Assessment activities – these activities include aggregation and evaluation of new information, as well as referral of potentially significant issues to the appropriate regulatory program.

The staff received comments relative to stakeholder interaction during implementation of the process and an explanation of the difference between the process the staff envisions and the current generic issue (GI) resolution program. Regarding stakeholder interaction, the staff indicated that during the technical engagement and coordination step it envisions interactions with a broad group of organizations including the Electric Power Research Institute. The staff also notes that the assessment activities step would involve stakeholder interactions (e.g., GI program) as part of that process. The staff noted that the white paper indicates that reports will be provided periodically on the results of the staff's efforts including for those issues that are assessed but determined to have no effect on the hazard. The staff indicated it would look at the discussion in the white paper to determine if additional detail was needed in this area.

Regarding the difference between the periodic reconfirmation process outlined in the white paper and the GI program, the staff indicated that the new process is not meant to replace existing regulatory programs. Rather the process outlined in the white paper would enhance internal processes and augment existing programs and agreements with domestic and international organizations.

The NRC staff stated that it would consider the comments received during the meeting and those that the Advisory Committee on Reactor Safeguards (ACRS) provides on the process. The staff stated that it is scheduled to meet with the ACRS Fukushima Subcommittee on October 19, 2016, and expects to meet with the ACRS Full Committee in early December 2016. As appropriate, changes to the process will be made and included in the SECY paper that is due to the Commission by the end of December 2016.

A. Rivera-Varona

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Please direct any inquiries to me at (301) 415-1132 or [joseph.sebrosky@nrc.gov](mailto:joseph.sebrosky@nrc.gov).

Enclosure:  
List of Attendees

A. Rivera-Varona

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Enclosure:  
List of Attendees

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**\*via email**

<b>OFFICE</b>	NRR/JLD/JHMB/PM	NRR/JLD/LA	NRO/DSEA/RHM2	NRR/JLD/JHMB/PM
<b>NAME</b>	JSebrosky	SLent	ARivera-Varona*	JSebrosky
<b>DATE</b>		10/12/16	10/3/16	10/12/2016

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Public Meeting to Discuss Nuclear Regulatory Commission Staff's  
Preliminary Assessment of Fukushima Lessons Learned Related to  
Periodic Reconfirmation of Natural Hazards  
September 28, 2016

Attendance List

<b>Name</b>	<b>Organization</b>	<b>Name</b>	<b>Organization</b>
Aida Rivera	NRC/NRO/DSEA	Randall Westmoreland*	DTE Energy
Michelle Bensi	NRC/NRO/DSEA	Paul Guill*	Duke Energy
Brittain Hill	NRC/NRO/DSEA	Bob Coad*	FirstEnergy
Dogan Seber	NRC/NRO/DSEA	Al Elms*	Dominion
Mahmoud Jardaneh	NRC/NRO/DSEA	Brenda Kovarik*	American Electric Power
Jeff Mitman	NRC/NRR/DRA/APHB	Mark Moenssens*	Westinghouse
Joe Sebrosky	NRC/NRR/JLD	John Richards*	Electric Power Research Institute
Andrew Mauer	Nuclear Energy Institute	Steven Dolley*	S&P Global Platts
Weijun Wang*	NRC/NRO/DSEA	Jim Perchel*	Certrec
Luisette Candelario*	NRC/NRO/DSEA	Dale Wuokko*	
Steve Breithaupt*	NRO contractor	Anthony Minarik*	
Alice Stieve*	NRC/NRO/DSEA	Gerry Kindred**	Tennessee Valley Authority (TVA)
Mehdi Reisi-Fard*	NRC/NRR/DRA	John Fields*	Xcel Energy
Richard Orthen*	Florida Power and Light (FPL)	Rick Rohrer*	Xcel Energy
Steve Franzone*	FPL	Michael Brandon*	DTE Energy
Paul Jacobs*	FPL	Karen Carboni*	TVA
		Russell Thompson*	TVA

\* indicates individual registered for webinar

\*\* indicates individual participated by telephone

Enclosure