

November 17, 2015

MEMORANDUM TO: Mohamed K. Shams, Chief
Hazards Management Branch
Japan Lessons-Learned Division
Office of Nuclear Reactor Regulation

FROM: Frankie G. Vega, Project Manager */RA/*
Hazards Management Branch
Japan Lessons-Learned Division
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF OCTOBER 21, 2015, CATEGORY 2 PUBLIC MEETING
WITH THE NUCLEAR ENERGY INSTITUTE TO DISCUSS SEISMIC
HAZARD REEVALUATIONS ASSOCIATED WITH IMPLEMENTATION
OF NEAR-TERM TASK FORCE RECOMMENDATION 2.1: SEISMIC

On October 21, 2015¹, the U. S. Nuclear Regulatory Commission (NRC) staff held a Category 2 public meeting with the Nuclear Energy Institute (NEI) at NRC Headquarters, One White Flint North, 11555 Rockville Pike, Rockville, Maryland. The purpose of this meeting was to discuss updates to NEI 12-06 "Diverse and Flexible Coping Strategies (FLEX) Implementation Guide" Appendix H and spent fuel pool (SFP) evaluation approaches and overall status and schedules related to the seismic hazard reevaluations associated with the implementation of Near-Term Task Force (NTTF) Recommendation 2.1: Seismic, of the March 12, 2012, NRC request for information issued pursuant to Title 10 to the *Code of Federal Regulations* Part 50, Section 50.54(f) (hereafter referred to as the 50.54(f) letter²).

During the meeting the NRC staff provided a summary of the review progress made on NTTF Recommendation 2.1: Seismic activities³. The Electric Power Research Institute (EPRI) and NEI representatives provided updates to NEI 12-06 Appendix H⁴ and the SFP evaluation approaches⁵ based on comments provided by the staff before the meeting⁶.

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¹The meeting notice is available via the Agencywide Documents Access and Management System (ADAMS) under Accession No. ML15292A187.

²The 50.54(f) letter and Enclosure 1 are available under ADAMS Accession Nos. ML12053A340 and ML12056A047, respectively.

³The NRC's slide presentation is available under ADAMS Accession No. ML15301A088.

⁴The NEI presentation slides on NEI 12-06 Appendix H are available under ADAMS Accession No. ML15301A083.

⁵The EPRI presentation slides on SFP evaluation are available under ADAMS Accession No. ML15301A081.

⁶The NRC comments on NEI 12-06 Appendix H and SFP evaluations are available under ADAMS Accession Nos. ML15293A599 and ML15293A606, respectively.

The NRC staff and NEI representatives' discussions included the following meeting highlights:

1. The NRC staff provided a summary of the progress made on NTTF Recommendation 2.1: Seismic activities. The staff also provided a detailed path forward, updated schedules and a list of upcoming activities supporting the completion of Recommendation 2.1: Seismic.
2. The NRC staff and NEI representatives discussed the proposed updates to NEI 12-06 Appendix H guidance. These updates resulted from a series of comments provided by the NRC staff to NEI representatives before the public meeting on Paths 1-5 of the guidance (ADAMS Accession No. ML15293A599).
3. Many of the staff's comments on Paths 1-3 were successfully addressed by NEI and others needed additional work for comment resolution. The NRC staff and NEI discussed the areas where additional information, clarification or modifications were needed. Specifically, NEI clarified that for Path 3, only those plants that have already been reviewed and accepted for meeting the Screening, Prioritization, and Implementation Details (SPID) Individual Plant Examination of External Events (IPEEE) SPID IPEEE standards through the October 27, 2015, letter can utilize path 3. The NRC staff stated that it will provide additional comments in writing and plan to discuss subsequent updates in upcoming public meetings. The NRC staff expects to reach final alignment on Path 1-3 by December 2015.
4. The NEI representatives agreed that additional work is needed on Path 4. The NEI representatives stated that Path 5 is still under development and work continues to address remaining NRC staff comments. Additional discussions on these paths are expected to occur in a public meeting on scheduled for November 17, 2015, and subsequent meetings.
5. The NRC staff, NEI and EPRI representatives discussed the proposed updates to the SFP seismic evaluations for lower hazard sites. These updates resulted from a series of comments provided by the NRC staff to NEI representatives before the public meeting (ADAMS Accession No. ML15293A606). Most of these comments were successfully addressed by NEI/EPRI and general alignment was reached. The NRC staff and NEI/EPRI representatives continue to work toward finalizing both evaluation approaches for low and high hazard sites.

No regulatory decisions or commitments were made during the meeting. The public was invited to observe the meeting and was given several opportunities to communicate with the NRC during the public meeting and before adjourning. No public comments or meeting feedback forms were received by the NRC staff.

Enclosure:
List of Attendees

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ADAMS Accession No.: ML15308A365

***concurrence via e-mail**

OFFICE	NRR/JLD/JHMB/PM	NRR/JLD/LA	NRO/DSEA/RGS/BC	NRR/JLD/JHMB/BC	NRR/JLD/JHMB/PM
NAME	FVega	SLent	DJackson	MShams (VHall for)	FVega
DATE	11/06/2015	11/06/2015	11/10/2015	11/13/2015	11/17/2015

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List of Attendees

U.S. Nuclear Regulatory Commission
Public Meeting with the Nuclear Energy Institute
Concerning Seismic Hazard Reevaluations
Japan Lessons-Learned Near-Term Task Force Recommendation 2.1: Seismic

October 21, 2015

Attendees				
Name	Organization		Name	Organization
Nicholas DiFrancesco	NRC/NRR		Melanie Brown	Southern Nuclear
Michael Tschultz	NEI		Scott Bauer	NEI
Andrew Mauer	NEI		Nilesh Chokshi	NRC/NRO
Greg Hardy	SGH		Divakar Bhargava	Dominion
Bret Tegeler	ERIN Engineering		Barry Slone	Jensen Hughes
John Richards	EPRI		Jana Bergman	Curtis-Wright Nuclear
Penny Selman	TVA		Jeffrey Clark	Exelon
Richard Drake	Entergy		Steve Wyman	NRC/JLD
Diane Jackson	NRC/NRO		Eric Bowman	NRC/NRR
Brittain Hill	NRC/NRO		Frankie Vega	NRC/NRR
Steve Jones	NRC/NRR		Mohamed Shams	NRC/NRR
Jose Pires	NRC/RES		Yong Li	NRC/NRR
Daniel J. Vasquez	Dominion		Kamal Manoly	NRC/NRR
(continues to next page)				

Abbreviations:

- EPRI - Electric Power Research Institute
- NEI – Nuclear Energy Institute
- NRO – Office of New Reactors
- NRR – Office of Nuclear Reactor Regulation
- RES – Office of Nuclear Regulatory Research
- SGH – Simpson Gumpertz and Heger
- TVA – Tennessee Valley Authority

Enclosure

Webinar Attendees

First Name	Last Name	Organization
Winton	Stewart	Duke
Andrea	Maioli	Westinghouse
Phil	Tarpinian	Exelon
Joshua	Reinert	Areva
Chikako	Ogura	Toshiba
Carlos	Hotchkiss	
Arun	Pal	Exelon
Dave	Swank	Energy-Northwest
Marc	Hotchkiss	Dominion
Jorma	Arros	ABS consulting
Thomas	John	Dominion
Charlotte	Geiger	PSEG
Nozar	Jahangir	PGE
Mutiu	Ayoola	Duke
Donald	Moore	Belsouth
Rick	Rohrer	XE Nuclear
Kevin	Burke	DTE Energy
Brenda	Kovarik	AEP
Lauren	Gibson	NRC
Farzin	Beigi	ABS consulting
Steve	Sheahan	Energy Northwest
Ram	Srinivasan	
Robert	Keiser	Duke
Steven	Laur	NRC
Richard	Rogalski	Energy Northwest
Barbara	Owens	Entergy
Jana	Bergman	Curtis Wright
Paul	Karavoussianis	Vecsa
Joseph	Gasper	OPPD
Dale	Wuokko	Toshiba
Jeffrey	Clark	Exelon