

November 24, 2014

MEMORANDUM TO: Sheena A. Whaley, Chief
Hazards Management Branch
Japan Lessons-Learned Division
Office of Nuclear Reactor Regulation

FROM: Nicholas J. DiFrancesco, Senior Project Manager */RA/*
Hazards Management Branch
Japan Lessons-Learned Division
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF OCTOBER 27, 2014, CATEGORY 2 PUBLIC MEETING WITH THE NUCLEAR ENERGY INSTITUTE TO DISCUSS SEISMIC HAZARD REEVALUATIONS ASSOCIATED WITH IMPLEMENTATION OF JAPAN LESSONS-LEARNED NEAR-TERM TASK FORCE RECOMMENDATION 2.1, SEISMIC

On October 27, 2014¹, 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 the overall status and schedules related to the seismic hazard reevaluations associated with the implementation of 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 Electric Power Research Institute (EPRI) representatives discussed the high frequency program status³. Additionally, NRC and NEI representatives discussed the status of plans associated with the review of re-evaluated seismic hazard submittals, the Expedited Seismic Evaluation Process (ESEP) submittals and reviews and the Western United States (WUS) submittals preparation, as described in NRC presented slides⁴.

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¹ The meeting notice is available via the Agencywide Documents Access and Management System (ADAMS) under Accession No. ML14300A225.

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

³ EPRI slide presentation is available under ADAMS Accession No. ML14300A253.

⁴ NRC's slide presentation is available under ADAMS Accession No. ML14300A371.

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

- NRC staff communicated to NEI representatives that seismic hazard screening reviews have been finalized internally and final screening letters will be issued through mid-November 2014.
- NRC staff communicated to NEI representatives that only a few RAIs will be issued to Category 2 and 3 plants. Draft versions of the RAIs will be issued by mid - November 2014. Responses are expected within a 30 day timeframe.
- NRC staff provided additional clarification on projected staff assessment completion dates. The NRC staff stated that if Ground Motion Response Spectra (GMRSSs) were modified from those submitted in March 2014, the projected review dates could vary.
- NRC staff provided additional information on the generic industry letter on seismic hazards that will be issued in November 2014. The staff clarified that the purpose of the letter was to provide early feedback to licensees regarding the suitability of seismic hazards for development of seismic risk evaluations.
- NRC staff and NEI representatives will continue to engage in discussions regarding the Seismic Probabilistic Risk Assessments (SPRAs) including site specific information updates typically performed in accordance with the PRA standard and its relationship with guidance in the Seismic Prioritization and Implementation Details (SPID).
- EPRI representatives discussed the high frequency program status. EPRI summarized the generic component testing program, results and conclusions. NRC Staff and NEI representatives agreed that additional discussions are needed in order to reach alignment on the implementation of the high frequency evaluations.
- NRC staff and NEI representatives will continue to engage in discussions regarding the limited scope evaluations (e.g. high frequency and spent fuel evaluations) that will be performed by licensees, as stated in the May 9, 2014, letter⁵.

⁵ The May 9, 2014, letter is available under ADAMS Accession No. ML14111A147.

- NRC staff discussed with NEI representatives the staff's ESEP review approach. In addition, the staff discussed the projected staff assessment dates and reemphasized the need for high quality submittals in order to meet schedule projections. The NRC staff requested an example of a submittal to better understand the level of detail that could be expected in the ESEP reports.
- NRC staff emphasized the need for information on the Senior Seismic Hazard Analysis Committee (SSHAC), in particular, the peer review report, to be submitted as part of the WUS reevaluated hazards. NRC and NEI representatives acknowledged that additional discussion on the transmittal of SSHAC report information would need to occur for western United States licensees.

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. The NRC staff received several public comments, which were addressed during the meeting and no meeting feedback forms were received.

Enclosure:
List of Attendees

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NAME	FVega	SLent	DJackson	SWhaley	NDiFrancesco
DATE	11/12/14	11/10/14	11/ /14	11/17/14	11/24/14

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List of Attendees

U.S. Nuclear Regulatory Commission
Public Meeting with the Nuclear Energy Institute
Concerning Seismic Hazard Reevaluation Submittals
Japan Lessons-Learned Near-Term Task Force Recommendation 2.1: Seismic
October 27, 2014

Name	Organization
Andrea Kock	NRC/NRO/DSEA
Clifford Munson	NRC/NRO/DSEA
Diane Jackson	NRC/NRO/DSEA
Sheena Whaley	NRC/NRR/JLD
Jon Ake	NRC/RES/DE
Nicholas DiFrancesco	NRC/NRR/JLD
Michael Balazik	NRC/NRR/JLD
Kamal Manoly	NRC/NRR/DE
Yong Li	NRC/NRR/DE
Frankie Vega	NRC/NRR/JLD
Pei-Ying Chen	NRC/NRO/DE
John Richards	EPRI
Andrew Mauer	NEI
Mike Tschiltz	NEI
(continues to next page)	

Abbreviations:

DE – Division of Engineering
DSEA – Division of Site Safety and
Environmental Analysis
EPRI - Electric Power Research Institute
DSRA – Division of Safety Systems & Risk

JLD – Japan Lesson Learned Project Directorate
NEI – Nuclear Energy Institute
NRO – Office of New Reactors
NRR – Office of Nuclear Reactor Regulation
RES – Office of Nuclear Regulatory Research
TVA – Tennessee Valley Authority

Enclosure

Attendees Via Webinar or Telephone				
Name	Organization		Name	Organization
John Anderson	AEP		Jim Smith	Westinghouse
Mutiu Ayoola	Duke Energy		Ryan Sprengel	
Jana Bergman	Curtis Wright		Winston Stewart	Duke Energy
Divakar Bhargara	Dominion		John Todd	Scana
Jeffry Clark	Exelon		Ryan Vanston	Westinghouse
Carola DiAlessandro	Geo-Pentech		Joe Vasquez	Dominion
Steven Dolley	Platts		Chris Wandell	
David Dujka			Dale Wuokko	Toshiba
Kent Ferre	PGE		George Zuke	Entergy
Charlotte Geiger	PSEG		Nozar Jahangir	PGE
Michael Hall	DTE Energy		Greg Lisle	Energy Northwest
Whitney Hemingway	DTE Energy		Sunwoo Park	NRC
Robert Keiser	Duke Energy		Tarpinian Philip	Exelon
Jeff Kimball	Rizzo Associates		Richard Drake	Entergy
Ron Knott	Duke Energy		Justin Huber	TVA
Ben Kosbab	SC Solutions		John Traynor	Exelon
Brenda Kovarik				
Andrea Maioli	Westinghouse			
Sanj Malushte	Bechtel			
David Martin				
Donald Moore	Southern Company			
Farhang Ostadan	Bechtel			
Larry Parker	Star Alliance			
James Peschel	Certrec			
Richard Rohrer	XE Nuclear			
Steve Sheahan	Energy Northwest			
Carlos Sisco	Winston & Strawn LLP			