

April 21, 2015

MEMORANDUM TO: Mohamed K. Shams, 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 FEBRUARY 11, 2015, 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 February 11, 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 the overall status and schedules related to the seismic hazard reevaluations associated with the implementation of Near-Term Task Force Recommendation 2.1: Seismic of the March 12, 2012, NRC request for information issued pursuant to Title 10 of 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 proposed revised scope and implementation guidance for functional confirmation and fragility evaluation at the re-evaluated hazard for the high frequency evaluation³. Additionally, EPRI presented an alternate approach for the structural portion of the Spent Fuel Pool (SFP) Evaluations⁴. 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 reviews and the Western United States (WUS) submittals preparation, as described in NRC presented slides⁵.

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¹ The meeting notice is available via the Agencywide Documents Access and Management System (ADAMS) under Accession No. ML15030A150.

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

³ EPRI High Frequency slide presentation is available under ADAMS Accession No. ML15042A036.

⁴ EPRI Spent Fuel Pool slide presentation is available under ADAMS Accession No. ML15042A039.

⁵ NRC's slide presentation is available under ADAMS Accession No. ML15042A037.

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

- NRC staff requested additional details associated with the structural review of the SFP. The structural review is one element of the Seismic Prioritization and Implementation Details (SPID) guidance for SFP evaluation. NEI/EPRI agreed to share additional details in subsequent public meetings.
- NRC staff discussed letter dated December 15, 2014, (ADAMS Accession No. ML14310A033) which provided relief to licensees from completing the ESEP equipment reviews for those sites that had demonstrated seismic margin through prior Individual Plant Examination for External Events (IPEEE) review effort and meeting the IPEEE screening criteria in the SPID. NRC staff encouraged licensee efforts in evaluating corrective actions related Mitigation Strategies to the higher seismic hazard and clarified the potential for agency decisions that may require licensees to ensure equipment used in Mitigation Strategies are robust to the higher hazard (if applicable and necessary).
- EPRI representatives discussed the draft high frequency evaluation guidance and revised screening transmitted to NRC by email dated February 4, 2015 (ADAMS Accession No. ML15036A199).
- NRC staff expressed that the newly proposed high frequency evaluation guidance plant equipment review scope was too limited and should be expanded.

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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* via e-mail

OFFICE	NRR/JLD/JHMB/PE	NRR/JLD/LA	NRO/DSEA/RGS/BC*	NRR/JLD/JHMB/BC	NRR/JLD/PMB/PM
NAME	SWyman	SLent	DJackson	MShams	NDiFrancesco
DATE	04/14/15	04/14/15	04/15/15	04/17/15	04/21/15

OFFICIAL RECORD COPY

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
February 11, 2015

Attendees				
Name	Organization		Name	Organization
Andrea Kock	NRC/NRO/DSEA		Mahmoud Jardenah	NRC/NRO/DSEA
Clifford Munson	NRC/NRO/DSEA		Bob Caldwell	NRC/NRO/DE
Diane Jackson	NRC/NRO/DSEA		Tekia Govan	NRC/JLD
Sheena Whaley	NRC/NRR/JLD		Stewart Bailey	NRC/JLD
Brittain Hill	NRC/NRO/DSEA		Steve Wyman	NRC/JLD
Nicholas DiFrancesco	NRC/NRR/JLD		Robert Keiser	Duke Energy
Jose Pires	NRC/RES/DE		John Richards	EPRI
Kamal Manoly	NRC/NRR/DE		Andrew Mauer	NEI
Yong Li	NRC/NRR/DE		Greg Hardy	SGH
Frankie Vega	NRC/NRR/JLD		Bret Tegeler	Erin Engineering
Tuan Le	NRC/NRO/DE		Jana Bergman	Curtis Wright
Ian Tseng	NRC/NRR/DE		(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 Assessment

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
SGH – Simpson, Gumpertz & Heger
TVA – Tennessee Valley Authority

Enclosure

Attendees Via Webinar or Telephone				
Name	Organization		Name	Organization
Mutiu Ayoola	Duke Energy		Marc Hotchkiss	Dominion
Sara Barczak	Clean Energy.Org		Justin Huber	TVA
Paul Baughman			Nozar Jahangir	PGE
Divakar Bhargava	Dominion		Apostolos Karavoussianis	
Anthony Bockelman			Robert Kassawara	EPRI
Melanie Brown	Southern Company		Robert Kennedy	
Natalie Camilli	Duke Energy		Albert Kottke	Bechtel
Christopher Canniff	DTE Energy		Brenda Kovarik	SargentLundy
Esther Cho	NRC		Steven Laur	NRC
Jeffrey Clark	Exelon		Marvin Lewis	
Diane Curran	Harmon Curran		Zhiping Li	Ameren
Marlene Delaney			Greg Lisle	Energy Northwest
Nicholas DiFrancesco	NRC		Joe Litehiser	Bechtel
Steven Dolley	Platts		Dan Madden	Dominion
Natalie Doulgerakis	Enercon		Jim Marrone	Bechtel
Richard Drake	Entergy		Robin McGuire	
Greg DuBois	Sargent Lundy		Kelvin Merz	
Stevie DuPont	XE Nuclear		Robert Miller	Southern Company
Calin Eftimie			Chikako Ogura	Toshiba
Paul Farish	Duke Energy		John OSullivan	
John Fields	XE Nuclear		Barbara Owens	Entergy
Charlotte Geiger	PSEG		Larry Parker	STARS Alliance
Jeremy Graham	Scana		Pravin Patel	NRC
Nick Gregor	Bechtel		Nadja Paulman	XE Nuclear
Joshua Hegenderfer			Robert Roche	NRC
Whitney Hemingway	DTE Energy		Ricardo Rodriguez	NRC
Wing Ho	Exelon		Richard Rogalski	Energy Northwest

