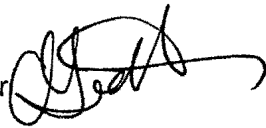




UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

March 29, 2012

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

FROM: Christopher Gratton, Sr. Project Manager 
Projects Management Branch
Japan Lessons-Learned Project Directorate
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF MARCH 1 AND 2, 2012, PUBLIC MEETING
REGARDING SEISMIC REEVALUATION INFORMATION
REQUEST

On March 1 and 2, 2012, the U.S. Nuclear Regulatory Commission (NRC) staff held a public meeting¹ with the Nuclear Energy Institute (NEI) and industry representatives to review and assess the recommendations in the *Near-Term Task Force (NTTF) Recommendations for Enhancing Reactor Safety in the 21st Century* report, issued July 12, 2011². The meeting focused on NTTF Recommendation 2.1, the reevaluation of seismic hazards, which is part of the Tier 1 recommendations under consideration for implementation without unnecessary delay. During this meeting, the participants discussed the development of guidance documents to support the screening and prioritization of seismic hazard and risk evaluations.

The lists of attendees that participated in person and via conference call line for each day is included in the enclosures.

The NRC staff opened the meeting with a presentation³ on the changes in scope regarding spent fuel pool evaluation and the modes of operation to assume for the evaluation, and a discussion of the overall timeline for hazard reevaluation products and seismic walkdown milestones.

The meeting proceeded with a presentation⁴ on NRC staff perspectives regarding the development of guidance for screening and prioritization criteria. The NRC staff reviewed the proposed seismic hazard reevaluation approach, including the information available to perform the hazard reevaluation for eastern versus western United States sites, issues involving sites that have sparse geotechnical data upon which to perform the reevaluation, and concerns with the industry proposed update of the Electric Power Research Institute's ground motion prediction equation (c. 2004, 2006).

¹ The original meeting notice is available via the Agencywide Documents Access and Management System (ADAMS) under Accession No. ML12052a054.

² The NTTF report is available under ADAMS Accession No. ML111861807.

³ The NRC staff presentation slides are available under ADAMS Accession No. ML12061A314

⁴ The NRC staff presentation slides are available under ADAMS Accession No. ML12061A293

The staff also discussed the seismic screening process, focusing on factors that could be used to screen sites from unnecessary evaluation, and how to use those factors in the screening process. The participants also discussed options on how to prioritize facilities to maximize the use of review resources. While the representatives from NEI did not make a formal presentation, they did provide feedback on the NRC staff's proposed processes. For instance, the industry indicated that the resources expended performing a seismic margins assessment (SMA) were similar to those expended performing a seismic probabilistic risk assessment. In addition, the industry provided feedback on the risk evaluation method that allowed the staff to narrow the number of acceptable approaches, which may ultimately expedite the evaluations, as well as the staff review.

The NRC staff included an additional presentation⁵ on the NRC SMA method covering the history of the analysis, details on the NRC SMA methodology and enhancements. The discussion also included broader technical issues (e.g., high frequency evaluations).

The NRC also made a brief presentation⁶ on the guidance development process, which included a list of deliverables that were anticipated and challenged the industry representatives to work with the NRC staff to develop a schedule to meeting the demanding timeline for guidance completion.

At the conclusion of the meeting, the NRC staff emphasized that the schedule for developing the guidance to support the hazard reevaluation screening and prioritization, and the walkthrough will be very challenging. The NRC staff and NEI agreed to meet again in the near future, and that draft versions of the guidance that are being developed by the industry should be available to the NRC staff in sufficient time before the next public meeting to allow for staff review. The participants agreed to confirm the future meeting schedule the following week after each group had sufficient time to align their schedules.

Members of the public were in attendance and asked clarifying questions throughout the meeting. No regulatory decisions were made as a result of this meeting.

Enclosures:
As stated

⁵ The NRC staff presentation slides are available under ADAMS Accession No. ML12061A309

⁶ The NRC staff presentation slides are available under ADAMS Accession No. ML12061A305



NRC Meeting with Stakeholders Development of Guidance NTTF Recommendation 2.1 Seismic

Thursday, March 1, 2012
1:00 p.m. - 5:00 p.m.
OWFN Commissioners' Briefing Room

Name	Organization	Phone Number
Christopher Gratton	NRC/Japan Lessons Learned Project Directorate	(301) 415-1055
Ed Miller	NRC/Japan Lessons Learned Project Directorate	(301) 415-2481
BOB WHORTON	SCE+G / SCANA	(803) 345-4725
Jeff Kimball	DNFSB	202-694-7159
Carlie Dondkorn	New York Atty General	212-416-8334
Randy Best	Engineering Planning + Mgmt / EPM	508-532-7372
Andree Mzioli	Westinghouse	412-374-3572
Gy Hung	SGVT	714-381-0312
Bob Kennedy	SMC	760-251-3510
NOZAR JAHANGIR	DIABLO CANYON	805-545-6512
Larry Parker	STARS Reg Affairs	805-441-5526
GREG KREVEGER	EXELON	(610) 765-5973
RICK CUTSINGER	FACILITY RISK CONSULTANTS	(423) 883-3933
Roger ANDREU	UNISTAR	423-691-3006
Jeremy Picard	AREVA	

**NRC Meeting with Stakeholders
Development of Guidance
NTTF Recommendation 2.1 Seismic**

Thursday, March 1, 2012

1:00 p.m. - 5:00 p.m.

OWFN Commissioners' Briefing Room

Name	Organization/Title	Phone Number/Email
Biff Bradley	NEI	202-739-8083 rcb@nei.org
OWEN SCOTT	PW PROGRAMS / SOUTHERN NUCLEAR CO	205 992-7061 omscott@southern.com
Liff MURSON	NRC	
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STEPHANIE DEVLIN	NRC	301-415-5301 sxd@nrc.gov
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MARTIN STUTZKE	NRC	301-251-7614 Martin.Stutzke@nrc.gov
Stuart Lewis	EPRI	866-216-8054 stlewis@epri.com
Christopher Cook	NRC	
IRAGIOS NUTA	ENERGY	914-254-7722 inuta@energy.com
Jenise Thompson	NRC	x0735
Sarah Taketani	NRC	X1381
Derek Widmayer	NRC / ACRS	x 7736
Yong Li	NRC	4141
Steven A. Laur	NRC / NRR / ORA	301 415 2884 steven.laur@nrc.gov
Sunwoo Park	NRC	x 2690
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Robert Mills	NEC	301 787 1971 rgmills@necenergy.com
Sanj Malushte	Bechtel	301 551 5925 sanj.malushte@bechtel.com
BRET TENZ	NR	301-415-6293
Jeff MITMAN	NRC	301.634.2843 jmitman@yahoo.com
Wei-Vu Chao	TECRO	240-393-9320 wvchao@nrc.gov.tw

**NRC Meeting with Stakeholders
Development of Guidance
NTTF Recommendation 2.1 Seismic**

Thursday, March 1, 2012

1:00 p.m. - 5:00 p.m.

OWFN Commissioners' Briefing Room

Name	Organization/Title	Phone Number/Email
Alike Cheek	NRC	
MAURICE PATTON	NRC	301.415.1052
Lynn Mrowca	NRC/NRO	301-415-0525 Lynn.Mrowca@nrc.gov
BRIAN HOWE	NRC/NRO/DE	brian.thomas@nrc.gov
Madhumita Sircar	NRC/RES/DE	301 415-2803 Madhumita.Sircar@nrc.gov
Jim Xu	NRC/NRO/DE	301-415-3024
Kate Bloodill	PG&E	(415) 973-6299
Tommy John	Dominion Power	(804) 273-2274
ARIAN HEYMET	NEI	202-739-8094
Tiffany Coleman*	Black + Veatch Corp.	
Steven Thomas*	"	
Anthony Bockelman*	"	
Steve Sawtelle*	"	

* via webinar



**NRC Meeting with Stakeholders
Development of Guidance
NTTF Recommendation 2.1 Seismic**

Thursday, March 2, 2012
9:00 a.m. - 3:00 p.m.
OWFN Commissioners' Briefing Room

Name	Organization	Phone Number
Christopher Gratton	NRC/Japan Lessons Learned Project Directorate	(301) 415-1055
Ed Miller	NRC/Japan Lessons Learned Project Directorate	(301) 415-2481
RICK CUTSINGER	TVA/FRC	423-883-3933
Andrez Maioli	Westinghouse	412-374-3572
Deanna Raleigh	Sciencetech	240-626-9556
Jeff Kimball	DNFSB	202 694 7159
Biff Bradley	NEI	202 739 8083
Stuart Lewis	EPRI	(865) 218-8054
Gry Harsh	SGH	(714) 381-0312
Bob Kennedy	SMC	(760) 751-3510
BOB WHORTON	SCE+G / SCANA	(803) 345-4725
Tommy John	Dominion Power	(804) 273-2274
Nilesh Chokshi	NRC	301 415 1634
Cliff Mvnen	NRC	301-415-6947
Chris Cook	NRC	301-415-6397

**NRC Meeting with Stakeholders
Development of Guidance
NTTF Recommendation 2.1 Seismic**

Thursday, March 1, 2012

9:00 a.m. - 3:00 p.m.

OWFN Commissioners' Briefing Room

Name	Organization/Title	Phone Number/Email
Larry Parker	STARS	805 441 5526
Charlie Donaldson	NY NY General's Office	212 416-8234
Suresh Tebati	NRC	X1381
Randy Best	EPM	508-532-7372
Jeremy Pineda	AREVA	5085736715
STEPHANIE DEVLIN	NRC	301-415-5301 SDEV@nrc.gov
NOZAR JAWAHIR	DIABLO CANYON	805-545-6512
Kate Wooddill	PG&E	415-973-1099
MALCOLM PATTERSON	NRC	301 415 1052
DRAGOS NUTA	ENERGY	914-254-7722 dnuta@energy.com
BOB TRIPATHI	NRC/SFST	301-492-3281
OWEN M. SCOTT	SOUTHERN NUCLEAR / PROGRAMS	205998-7061 omscotte@southernco.com
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JIM SLOSS	Paul C. Rizzo Assoc	410-895-2107 JIM.SLOSS@RIZZOASSOC.COM
STEVEN LAUR	NRC	301 415 2889 steven.laur@nrc.gov
PATRICIA CASTLEMAN	NRC - OCM/KLS	415-1860
Abdul H. Kazi	NRC - NRO/DE/S&B2	415-5349
JON AKE	NRC-RES	
TODD OSWALD	AREVA	704-805-2831

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Enclosures:
As stated

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NAME	CGratton	SRohrer	JPascarelli	CGratton
DATE	03/27/2012	03/27/2012	03/29/2012	03/29/2012

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⁵ The NRC staff presentation slides are available under ADAMS Accession No. ML12061A309

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