

October 3, 2012

MEMORANDUM TO: Matthew A. Mitchell, Chief
Projects Management Branch
Japan Lessons-Learned Project Directorate
Office of Nuclear Reactor Regulation

FROM: G. Edward Miller, Project Manager /RA/
Projects Management Branch
Japan Lessons-Learned Project Directorate
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF SEPTEMBER 12-13, 2012, PUBLIC MEETING
ON IMPLEMENTATION OF NEAR-TERM TASK FORCE
RECOMMENDATION 2.1, FLOODING HAZARD REANALYSIS,
RELATED TO THE FUKUSHIMA DAI-ICHI NUCLEAR POWER
PLANT ACCIDENT

On September 12-13, 2012, the U.S. Nuclear Regulatory Commission (NRC) staff held a public meeting¹ with the Nuclear Energy Institute (NEI) and industry representatives to discuss addressing the recommendations in the *Near-Term Task Force (NTTF) Recommendations for Enhancing Reactor Safety in the 21st Century* report, issued July 12, 2011.² The meeting was focused specifically on the NTTF Recommendation 2.1, flooding hazard reanalysis, which is one of the Tier 1 recommendations under consideration for implementation without unnecessary delay. By letter dated March 12, 2012, the NRC issued an information request³ pursuant to Title 10 of the *Code of Federal Regulations* 50.54(f) to implement this recommendation.

The first discussion was on the loss of the ultimate heat sink due to downstream dam failure and the NEI request letter to change this from a Tier 1 to a Tier 2 issue. The discussion focused on the potential increase in the resource estimates to complete the flooding reevaluations. These resource estimates were submitted to the NRC staff in an email.⁴ NRC staff determined that the potential impact to the overall schedule was relatively small and planned to deny the request.

The second discussion involved a presentation by the NRC staff on Draft Staff Guidance on Surge and Seiche for Use in Recommendation 2.1 Evaluations.⁵ The staff explained that this guidance will be optional and introduces risk-informed U.S. Army Corps of Engineers deterministic-probabilistic methods. An estimated public issuance date for comment was September 30, 2012. The staff indicated that this Interim Staff Guidance should be issued on

¹ The original meeting notice is available via the Agencywide Documents Access and Management System (ADAMS) under Accession No. ML12220A216.

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

³ The 50.54(f) letter is available under ADAMS Accession No. ML12053A340.

⁴ The NEI resource estimates is available under ADAMS Accession No. ML12236A217.

⁵ The NRC presentation is available under ADAMS Accession No. ML 12262A0988.

the same schedule as the final Integrated Assessment (IA) document due by the end of November 2012.

The third topic was an NRC led discussion on activities associated with the Interagency Committee of Dam Safety (ICODS). The discussion was for informational purposes and general awareness. The staff asked industry representatives to provide input on which U.S. Government agencies they interact with regarding dams. NEI agreed to send out an e-mail asking for input. Tentatively, the next ICODES internal meeting is planned for October 10, 2012, followed by a meeting on October 11, 2012, with industry. There were no written presentation materials provided for this discussion.

The fourth topic was a presentation by industry/NEI on a white paper, "Supplemental Guidance For The Evaluation Of Dam Failures."⁶ The discussion started with seismic evaluation of dam failures. This discussion was not completed, and deferred somewhat until the next day. NRC comments can be viewed on a marked-up version of the document. The industry/NEI staff stressed the need to get this document issued in final form, in parallel with the IA document, in order to use the document during the flooding reevaluations.

The last topic of the first day was an NRC presentation on the latest version of the Integrated Assessment.⁷ The industry/NEI members submitted written comments⁸ on the IA document prior to the meeting. The discussion covered all of the major comments from industry/NEI. The final version of the IA document was due to go out for public comment by September 21, 2012. This discussion was not completed by the end of the first day of the meeting.

On the second day of the meeting, the discussion again focused on the seismic part of the Dam Failure white paper from industry/NEI. The staff suggested that industry should not wait for the updated Electric Power Research Institute model, due to be released in early 2013. The staff emphasized that the more difficult portion of the dam failure evaluation is the fragility aspect.

The last discussion was on the NRC prepared IA document. NEI/industry commented on peer reviews. The staff clarified that the peer reviews were intended to apply to the more unique, complex, and temporary actions. Also, the need to consistently use the terms licensing and design basis was discussed. NEI/industry mentioned that it would be helpful to add an event tree with no quantification. The document was edited during the meeting.⁹

The meeting concluded with no additional questions or comments. A reminder was given that the next public webinar was on September 25, 2012.

Enclosure:
Lists of Attendees

⁶ The industry Dam Failure paper is available under ADAMS Accession No. ML 12254A813.

⁷ The draft NRC Integrated Assessment document is available under ADAMS Accession Nos. ML12254A054 and ML12254A055.

⁸ The NEI written comments on the Integrated Assessment is available under ADAMS Accession No. ML 12262A100.

⁹ An edited version of the Integrated Assessment document is available under ADAMS Accession No. ML 12262A104.

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DISTRIBUTION: See next page

ADAMS Accession Nos.: ML12234A541 (Pkg.), ML12263A308 (Sum.)

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NAME	RLaura	SRohrer	MMitchell	GEMiller
DATE	09/25/2012	09/20/2012	10/02/2012	10/03/2012

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Memorandum to Matthew A. Mitchell from G. Edward Miller dated October 03, 2012

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IMPLEMENTATION OF NEAR-TERM TASK FORCE RECOMMENDATION 2.1,
FLOODING HAZARD REANALYSIS, RELATED TO THE FUKUSHIMA DAI-ICHI
NUCLEAR POWER PLANT ACCIDENT

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NRC Public Meeting: Implementation of NTTF Recommendations 2.1 & 2.3

September 12 and September 13, 2012

Name	Organization
Rich LAURA	US NRC
Jim RILEY	NEI
Joe Bellini	AMEC/Exelon
Dean Hubbard	Duke Energy
GEORGE ATTARIAN	Duke Energy
PAT BRUNETTE	ENERCON SERVICES
Jim THOMAS	ENERCON SERVICES, INC.
Colin Keller	FENOC
ANDREW MILLER	ERIN/EXELON
Tom Parker	Xcel/Monticello
Mike Miller	Jargant & Lundy
Heather Smith Sawyer	BWS
JOHN GIDDENS	SOUTHERN NUCLEAR
Penny Selman	TVA
Ken Huffman	EPRI

