

February 27, 2014

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

FROM: Robert F. Kuntz, Senior Project Manager **/RA/**  
Projects Management Branch  
Japan Lessons-Learned Project Directorate  
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF JANUARY 14, 2014, PUBLIC MEETING ON  
IMPLEMENTATION OF NEAR-TERM TASK FORCE  
RECOMMENDATION 2.1, FLOODING HAZARD  
REEVALUATIONS, RELATED TO THE FUKUSHIMA DAI-ICHI  
NUCLEAR POWER PLANT ACCIDENT

On January 14, 2014, the Nuclear Regulatory Commission (NRC) staff held a public meeting<sup>1</sup> with stakeholders. The purpose of the meeting was to discuss the flooding hazard reevaluations that are being performed as part of Recommendations 2.1 from "Recommendations for enhancing Reactor Safety in the 21<sup>st</sup> Century," a report issued by the post-Fukushima Near-Term Task Force (NTTF) on July 12, 2011.<sup>2</sup> On March 12, 2012, the NRC issued a request for information pursuant to Title 10 of the *Code of Federal Regulations* (10 CFR), Section 50.54(f) to implement this recommendation.<sup>3</sup>

The Nuclear Energy Institute (NEI) presented frequently asked questions (FAQ) 23<sup>4</sup> which relates to the "trigger" for the integrated assessment when the design basis flooding evaluation does not contain specific information on flood duration. The NRC staff had previously commented on this FAQ. NEI revised the FAQ based on NRC staff comments. NRC staff provided some editorial feedback, made suggestions related to terminology, and indicated that they had no further technical comments.

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<sup>1</sup> The original meeting notice is available via the Agencywide Documents Access and Management System (ADAMS) under Accession No. ML13357A176.

<sup>2</sup> The NTTF report is available under ADAMS Accession No. ML111861807.

<sup>3</sup> The 50.54(f) letter is available under ADAMS Accession No. ML12053A340.

<sup>4</sup> FAQ 23 is available under ADAMS Accession No. ML14042A406

NEI presented FAQ 31<sup>5</sup> which relates to interim actions associated with the flooding hazard reevaluations. NRC staff made several observations related to probabilistic characterization of a deterministic flooding event, the basis for interim action implementation timelines, justification of the acceptability of interim actions, and terminology used in the FAQ response. While staff provided several observations on the FAQ, it is noted that NEI was not soliciting formal feedback. The NRC staff had presented a “lessons learned” from review of interim actions that had been submitted to date in a previous public meeting to address the topic of FAQ 31. Therefore, the NRC staff will not provide any further comment on FAQ 31.

NEI gave a presentation on its current activities<sup>6</sup>. The presentation included discussion of example integrated assessments developed by NEI. NEI mentioned that the NRC stated in the December 19, 2013 public meeting that it did not have any further comments on the example NEI developed to illustrate an integrated assessment for a relatively simple situation. NEI discussed the example of a “scenario based” evaluation performed as part of an integrated assessment,<sup>7</sup> which had been revised based on NRC comments provided in a previous public meeting. The NRC staff stated they would review the revised example and provide comments. NEI also presented a new integrated assessment example<sup>8</sup> that is an extension of the example NEI developed to illustrate an integrated assessment for a relatively simple situation. The NRC staff stated that they would review the “extended” example and provide comments.

NEI asked the staff for input on how the scheduled due date for integrated assessments would be affected by the staff’s review of the flooding hazard reevaluation reports. The NRC staff stated that integrated assessments are due two years after the submittal of the flooding hazard reevaluation report and if a licensee requires additional time for submitting its integrated assessment they are required to submit a request for a schedule extension. The NRC staff stated that any schedule extensions should include the basis for extending the schedule.

NEI questioned the staff on how a licensee could potentially change its flooding hazard reevaluation if new information is discovered after the reevaluation report is submitted. The NRC staff stated that it expects licensees to submit the most complete information available as part of the reevaluation report and changes after submittal should not be expected but if they do occur they will be addressed on a case by case basis.

NEI questioned the staff on the status of the NRC staff’s interaction with the US Army Corps of Engineers. The NRC staff stated that work is progressing and the NRC staff will continue to coordinate with licensees who have requested assistance

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<sup>5</sup> FAQ 31 is available under ADAMS Accession No. ML14042A417

<sup>6</sup> NEI presentation is available under ADAMS Accession No. ML14042A424

<sup>7</sup> “Scenario based” integrated assessment example is available under ADAMS Accession No. ML14042A427

<sup>8</sup> “Extended simple” integrated assessment example is available under ADAMS Accession No. ML14042A411

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As discussed in the NRC letter dated August 1, 2013<sup>9</sup> the use of electronic reading rooms (referred to as online reference portals in the letter) has improved the efficiency of the NRC staff's review of the flood hazard reevaluation reports submitted by licensees. The NRC staff presented<sup>10</sup> a summary of issues it has encountered with electronic reading rooms to date. The intent of the presentation was to provide insights for sites that will develop electronic readings rooms to support staff review of flood hazard reevaluation reports submitted in the future.

Prior to concluding the meeting, an opportunity for public comment was afforded.

Enclosure:  
Lists of Attendees

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<sup>9</sup> NRC letter is available under ADAMS Accession No. ML13206A427

<sup>10</sup> NRC presentation is available under ADAMS Accession No. ML14042A400

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Lists of Attendees

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**ADAMS Accession No.:** ML14050A153

\* Concurrence via e-mail

<b>OFFICE</b>	NRR/JLD: LA	NRR/JLD/PMB: PM	NRR/JLD/PMB: BC	NRR/JLD/PMB: PM
<b>NAME</b>	SLent*	RKuntz	MMitchell	RKuntz
<b>DATE</b>	2/ 20 /2014	2/24/2014	2/24/2014	2/27/2014

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<sup>9</sup> NRC letter is available under ADAMS Accession No. ML13206A427

<sup>10</sup> NRC presentation is available under ADAMS Accession No. ML14042A400

Public Meeting to Discuss Topics Associated with Flooding Hazard  
Tuesday, January 14, 2014

List of Attendees

<b>Name:</b>	<b>Organization:</b>
Rob Kuntz	U.S. Nuclear Regulatory Commission (NRC)
Chris Cook	NRC
Michelle Bensi	NRC
Ed Miller	NRC
Brad Harvey	NRC
Sunil Weerakkody	NRC
Joseph Kanney	NRC
Jim Riley	Nuclear Energy Institute
Jana Bergman	Sciencetech/CWFC
Martin Murphy	Xcel
George Attarian	Duke Energy
Ray Schneider	Westinghouse
Joe Bellini	Aterra/Exelon
Jim Thomas	Enercon
Dean Hubbard	Duke Energy
Gary Ruf	PSEG
Charlotte Geiger	PSEG
Eric P. Hohman	FirstEnergy Nuclear Operating Company (FENOC)
Mark Hammons	FTN/NPPD
Joe Gasper	Omaha Public Power District
Colin Keller	FENOC
Mark Moenssens	Westinghouse Electric Company

Enclosure