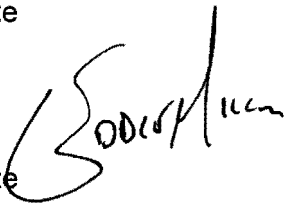




UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

July 10, 2012

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

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

SUBJECT: SUMMARY OF JUNE 13-14, 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 June 13 and 14, 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 main focus of this meeting was to discuss and agree upon a process for raising and dispositioning industry requests for clarification. NEI presented⁴ a draft process⁵ for submitting issues and capturing their resolution. Instead of agreeing to the process provided by NEI, the NRC staff provided a discussion of its existing process for capturing discussions from public meetings and an agreement was reached that this would be adequate for issues where a simple clarification of existing guidance was necessary. Additionally, it was agreed that more complex issues would be submitted by NEI as a white paper for a written response from the NRC. NEI provided an initial list of issues⁶ it is working on. The NRC staff also reiterated its position that, although requests for clarification may be entertained, they do not alter the schedule described by the 50.54(f) letter.

¹ The original meeting notice is available via the Agencywide Documents Access and Management System (ADAMS) under Accession No. ML12151A290.

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 presentation slides are available under ADAMS Accession No. ML12174A055.

⁵ The draft process is available under ADAMS Accession No. ML12156A045.

⁶ The initial list of issues is available under ADAMS Accession No. ML12156A043.

Additionally, NEI provided⁷ input for the integrated assessment guidance and provided its view on how existing flood evaluations for early site permits (ESPs) and combined operating licenses (COLs) could be utilized for co-located sites. The NRC staff received the information on performing the integrated assessment and indicated that it would be considered in the development of the staff guidance, but the staff was not prepared to discuss it at this meeting. The NRC staff did not find anything objectionable about the writeup for using ESP/COL flooding evaluations.

During the meeting, NEI requested clarification on what would be necessary for excluding consideration of a particular hazard (e.g., not assuming ice hazards at a plant in a sufficiently warm climate). The NRC staff provided feedback that there was sufficient existing guidance on this issue, but reinforced that any instance would be reviewed on a plant-specific basis and would need to be sufficiently justified by the licensee.

On the second day of the meeting, the NRC staff gave a presentation⁸ on how flooding hazard reviews are currently performed for new reactors. The presentation discussed the various flooding hazards that were expected to be considered; and identified points to focus on when performing the reevaluations. A significant discussion was had on the topic of how to deal with upstream dam failures. There was general agreement that additional discussion on this topic would be necessary and that this issue may need to be submitted as a white paper.

Both days of the meeting concluded with some questions and comments from the public stakeholders. Additionally, a reminder was given that the next public meeting was on June 26, 2012.

Enclosure:
Lists of Attendees

⁷ This information is available in ADAMS under accession No. ML12159A271.

⁸ The presentation slides are available in ADAMS under accession No. ML12174A060.

Sign In Sheet

Discussion of 2.1 Flooding

DATE: June 13, 2012

Name	Organization
DAN HANG	NRR/DE/EMCB
Jenise Thompson	NRO/DSEA
HENRY JONES	NRO/DSEA
KEN SEE	NRO/DSEA
Joseph Kanney	RES/DRA
Michelle Benzi	RES
Jill Caverly	NRO/DSEA
MARIE POHIDA	NRO/OSRA/SPRA
CHRISTOPHER COOK	NRO/DSEA
Ed Miller	NRR/JLD
Tom Nicholson	RES/DRA
Jack Philip	RES/DRA/ETB
GEORGE E ATTARIAN	Progress Energy
Jim Breunig	CENL
MIKE PROCTOR	URS
BOB TAYLOR	NPPD
Joe Bellini	AMEC/Exelon
Ben Daniel	TVA
KEN HUFFMAN	EPRI
Jim Riley	NEI
Denis Shumaker	PWROG/PSEG
Dean Hubbard	Duke
ANDREW MILLER	ERIN/EXELON

Sign In Sheet

Discussion of 2.1 Flooding

DATE: June 14, 2012

Name	Organization
DAN HANG	NRR / DE / EMCB
BOB TAYLOR	NPPD
ANDREW MILLER	ERIN / EXELON
Jim Brauning	GENG
Ben Daniel	TVA
Mike Proctor	URS
Jim RILEY	NEI
Joe Bellini	AMEC/Exelon
Tom Nicholson	NRC/RES
George ATTARIAN	Progress Energy
Dean Hubbard	Duke
Kit Ng	Bechtel
Jeffrey MILMAN	NRC/NRR/DRA
Ken Huffman	EPRI
Michelle Borer	NRC
Pete Cochran	Morgan Lewis
Joseph Kannev	NRC/RES/DRA

Sign In Sheet

Discussion of 2.1 Flooding

DATE: June 14, 2012

[illegible]

Additionally, NEI provided¹ input for the integrated assessment guidance and provided their view on how existing flood evaluations for early site permits (ESPs) and combined operating licenses (COLs) could be utilized for co-located sites. The NRC staff accepted the information on performing the integrated assessment and indicated that it would be considered in the development of the staff guidance, but the staff was not prepared to discuss in detail at this meeting. The NRC staff did not find anything objectionable about the writeup for using ESP/COL flooding evaluations.

During the meeting, NEI requested clarification on what would be necessary for excluding consideration of a particular hazard (e.g., not assuming ice hazards at a plant in a sufficiently warm climate). The NRC staff provided feedback that there was sufficient existing guidance on this issue, but reinforced that any instance would be reviewed on a plant-specific basis and would need to be sufficiently justified by the licensee.

On the second day of the meeting, the NRC staff gave a presentation² on how flooding hazard reviews are currently performed for new reactors. The presentation discussed the various flooding hazards that were expected to be considered; and identified points to focus on when performing the reevaluations. A significant discussion was had on the topic of how to deal with upstream dam failures. There was general agreement that additional discussion on this topic would be necessary and that this issue may need to be submitted as a white paper.

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Enclosure:
Lists of Attendees

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DATE	06/29/2012	06/28/2012	06/29/2012	07/10/2012

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⁷ This information is available in ADAMS under accession No. ML12159A271.

⁸ The presentation slides are available in ADAMS under accession No. ML12174A060.