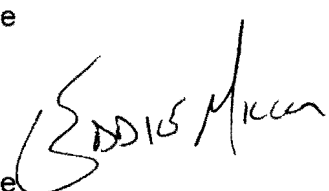




UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

August 6, 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 JULY 11-12, 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 July 11 and 12, 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 present⁴ NRC staff's initial concept for performing an integrated assessment. Stakeholders asked questions as the presentation was given and NEI committed to provide written comments after the meeting. The written comments were submitted via e-mail⁵ on July 19, 2012.

Subsequently, NEI provided a presentation⁶ that covered a number of topics. The first item was feedback on the NRC temporary instruction⁷ (TI) that was issued to the resident inspectors to guide them in inspecting the performance of the walkdowns. These comments were substantially similar to those that had been submitted via e-mail⁸ on June 29, 2012.

¹ The original meeting notice is available via the Agencywide Documents Access and Management System (ADAMS) under Accession No. ML12180A379.

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 NRC staff presentation slides are available under ADAMS Accession No. ML12199A373.

⁵ The comments are available under ADAMS Accession No. ML12206A043.

⁶ The NEI presentation is available under ADAMS Accession No. ML12199A368.

⁷ The TI is available under ADAMS Accession No. ML12129A108.

⁸ The comments are available under ADAMS Accession No. ML12206A039.

The second item was whether flood-induced loss of the ultimate heat sink (UHS) was within the scope of the flood hazard reevaluations and integrated assessment. The NEI presentation reiterated their understanding that flood-induced loss of the UHS was not within the scope and that its inclusion could adversely impact the current schedule. The NRC staff reinforced that, although loss of the UHS from a mechanism unrelated to the postulated flood was not within scope, its loss from the flood has always been in scope. It was acknowledged that additional interaction would be necessary on this issue.

The third item was a status of the development of the NEI white paper⁹ on dam failure. The NRC staff provided feedback and asked questions throughout the presentation, but indicated that a more detailed review would be necessary before providing substantive comments.

The fourth item was a revised version of the NEI approach to screening hazards. NEI had provided a revised version¹⁰ of the method for screening a particular flooding mechanism as not plausible or not applicable to a site. During the discussion, the NRC staff indicated that it is possible to screen a mechanism as not plausible, but that the examples given would need a significantly expanded justification to warrant screening.

Both days of the meeting concluded with some questions and comments from the stakeholders. Additionally, a reminder was given that the next public meeting was on July 24th, 2012.

Enclosure:
Lists of Attendees

⁹ This draft white paper is available in ADAMS under accession No. ML12199A371.

¹⁰ The revised version is available in ADAMS under accession No. ML12199A370.

DATE: July 11, 2012

[illegible]

Sign In Sheet

Discussion of 2.1 Flooding

DATE: July 11, 2012

Name	Organization
Dean Hubbard	Duke Energy
Joe Bellini	AMEC/Exelon
Jim Riley	NEI
Penny Selman	TVA
Michael Procter	URS
Jim Breunig	CENGLLC
Heather Smith Sawyer	BWSC
George Attarian	Duke Energy
Sorge A. Cintron	NRA/IRIB
Ken Huffman	EPRI
Fernando Ferrante	NRR/DRA
JUAN F. URIBE	NRR/DE
JOHN GIDDENS	Southern Nuclear
VIA PHONU (BOTH DAYS)	
PHIL FLESCH	AUTOMATED ENGINEERING, SUC.
GREGG MAX	WESTINGHOUSE
MALCOLM PATTERSON	NRC/NRO
JANA BERGMAN	SCIENTECH

Sign In Sheet

Discussion of 2.1 Flooding

DATE: July 12, 2012

Name	Organization
Joe Bellini	AMEC/Exelon
Jim Riley	NET
Penny Selman	TVA
KEN BURRIS	WorleyParsons
Jim Brumby	CENG
Ken Karwowski	NRC
Drew Miller	EPRI / EXELON
Sorge A. Clinton	NRC
Ken Huffman	EPRI
Heather Smith Sawyer	BWSC
JUAN URIBE	NRC
JOHN GIDDENS	Southern Nuclear
Fernando Terrazte	NRC / NRC
Dean Hubbard	Duke Energy
Pat BRUNETTE	EMERSON

Sign In Sheet

Discussion of 2.1 Flooding

DATE: July 12, 2012

[illegible]

The second item was whether flood-induced loss of the ultimate heat sink (UHS) was within the scope of the flood hazard reevaluations and integrated assessment. The NEI presentation reiterated their understanding that flood-induced loss of the UHS was not within the scope and that its inclusion could adversely impact the current schedule. The NRC staff reinforced that, although loss of the UHS from a mechanism unrelated to the postulated flood was not within scope, its loss from the flood has always been in scope. It was acknowledged that additional interaction would be necessary on this issue.

The third item was a status of the development of the NEI white paper¹ on dam failure. The NRC staff provided feedback and asked questions throughout the presentation, but indicated that a more detailed review would be necessary before providing substantive comments. [Are there any parts of the presentation or white paper that need to be called out as good/bad?]

The fourth item was a revised version of the NEI approach to screening hazards. NEI had provided a revised version² of the method for screening a particular flooding mechanism as not plausible or not applicable to a site. During the discussion, the NRC staff indicated that it is possible to screen a mechanism as not plausible, but that the examples given would need a significantly expanded justification to warrant screening.

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Enclosure:

Lists of Attendees

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OFFICE	PM: NRR/JLD/PMB	LA: NRR/DORL	BC: NRR/JLD/PMB	PM: NRR/JLD/PMB
NAME	EMiller	SRohrer	RPascarelli (SBloom for)	EMiller
DATE	08/06/2012	07/25/2012	08/06/2012	08/06/2012

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⁹ This draft white paper is available in ADAMS under accession No. ML12199A371.

¹⁰ The revised version is available in ADAMS under accession No. ML12199A370.