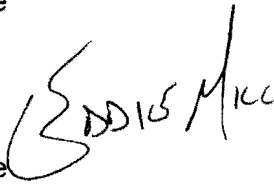




UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

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 meeting<sup>1</sup> 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.<sup>2</sup> 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 request<sup>3</sup> 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 present<sup>4</sup> 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-mail<sup>5</sup> on July 19, 2012.

Subsequently, NEI provided a presentation<sup>6</sup> that covered a number of topics. The first item was feedback on the NRC temporary instruction<sup>7</sup> (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-mail<sup>8</sup> on June 29, 2012.

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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. ML12180A379.

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

<sup>5</sup> The comments are available under ADAMS Accession No. ML12206A043.

<sup>6</sup> The NEI presentation is available under ADAMS Accession No. ML12199A368.

<sup>7</sup> The TI is available under ADAMS Accession No. ML12129A108.

<sup>8</sup> 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 paper<sup>9</sup> 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 version<sup>10</sup> 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 24<sup>th</sup>, 2012.

Enclosure:  
Lists of Attendees

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<sup>9</sup> This draft white paper is available in ADAMS under accession No. ML12199A371.

<sup>10</sup> The revised version is available in ADAMS under accession No. ML12199A370.

# Sign In Sheet

## Discussion of 2.1 Flooding

DATE: July 11, 2012

Name	Organization
Christopher Cook	NRO/DSEA
Michelle Benson	NRC
Nilash Chokshi	NRO/DSEA
Jenise Thompson	NRO/BSEA
Marie Pohlde	NRO/DSRO/SPRA
KEN SEE	NRO/DSEA
Pete Cochran	Morgan Lewis
BOB TAYLOR	NPPD
ANDREW MILLER	ERIN/EXELON
PAT BRUNETTE	ENERCON
Colin Keller	First Energy
PETER CHAFUT	NRC/NRO/DSEA

# 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 Brounig	CEN/LLC
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	NRE
Penny Selman	TVA
KEN BURRIS	WorleyParsons
Jim Brownig	CENG
Ken Karwowski	NRC
Drew Miller	EPRI / EXELON
Serge A. Cinton	NRC
Ken Huffman	EPRI
Heather Smith Sawyer	BWSOC
JUAN URIBE	NRC
JOHN GIDDENS	Southern Nuclear
Fernando Ferrante	NRC/NRC
Dean Hubbard	Duke Energy
Pat BRUNETTE	EMERSON

# Sign In Sheet

Discussion of 2.1 Flooding

DATE: July 12, 2012

Name	Organization
Ed Milcom	NRR/JLD
CHRISTOPHER COOIL	NRO/DSEA
Michelle [unclear]	NCC
HENRY JONES	NRO/DSEA/KITMB
Colin Keller	FENOC
Joseph Kanney	NRC/RES
Pete Cochran	Morgan Lewis
KEN SEE	NRO/DSEA
Jenise Thompson	NRO/DSEA
Jake Philip	RES/DRA/ETB
BOB TAYLOR	NPPD
Tom Nicolson	RES/DRA

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 paper<sup>1</sup> 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 version<sup>2</sup> 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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<sup>9</sup> This draft white paper is available in ADAMS under accession No. ML12199A371.

<sup>10</sup> The revised version is available in ADAMS under accession No. ML12199A370.