



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

July 17, 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 26, 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

A handwritten signature in black ink, appearing to read "G. Edward Miller", is written over the "FROM:" section of the memorandum.

On June 26, 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.

This meeting continued discussion of a process for raising and dispositioning industry requests for clarification. The NRC staff began by discussing a previous request for clarification submitted by NEI.⁴ The inquiry asked whether the NRC expected that actions taken to address beyond design basis situations would use safety-related structure, system, and components (SSCs) or if other, nonsafety measures could be used. The NRC staff indicated that, since the situations were beyond design basis, there are no requirements to utilize safety-related SSCs to address them. The NRC staff clarified, though, that this feedback was only applicable to the flooding walkdowns and it would be premature to discuss disposition of issues found in the flooding hazard reevaluations.

The NRC staff provided a presentation⁵ of the planned schedule for developing the interim staff guidance on performing an integrated assessment. The schedule that was discussed is

¹ The original meeting notice is available via the Agencywide Documents Access and Management System (ADAMS) under Accession No. ML12166A030.

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 request for clarification is available under ADAMS Accession No. ML12174A055 (page 16 of 16).

⁵ This presentation slides are available in ADAMS under accession No. ML12188A084.

contained in the presentation slides. During the presentation it was noted that an additional public meeting was planned in September but was inadvertently omitted from the schedule.

The NRC staff provided a presentation⁶ on various issues that were tabled from the previous meeting. The first issue was whether flood-induced loss of the ultimate heat sink (UHS), such as the flood causing the loss of a downstream dam, needed to be addressed during the integrated assessment. The NRC staff reinforced that the 50.54(f) letter included flood-related loss of the UHS in the integrated assessment. NEI indicated that they may want additional discussion of this matter. The second issue was how to handle upstream dam failure. The NRC staff indicated that current methods and guidance for early site permits and combined operating licenses does not preclude screening out dam failure for some modes, however, there is limited precedence from past reviews. It was noted that the white paper that NEI is currently drafted would be needed to ensure consistent treatment of this issue. The third issue was whether on-site storage tank failure needed to be included with the integrated assessment. The NRC staff clarified that, per the 50.54(f) letter, on-site storage tank failure was not within the scope of the integrated assessment, but was included in the Tier 3 activity for seismically induced floods and fires.

As a part of the discussion on upstream dam failures, NEI provided a flowchart⁷ that was under development for screening the various modes of dam failure. NEI walked the staff through the chart, and questions were asked as they went through. Given the limited time for review, though, NRC staff was not prepared to offer substantive feedback during this call.

The meeting concluded with some questions and comments from the public stakeholders. Additionally, a reminder was given that the next public meeting was on July 11 and 12, 2012.

Enclosure:
Lists of Attendees

⁶ The presentation slides are available in ADAMS under accession No. ML12187A128.

⁷ The flow chart is available in ADAMS under accession No. ML12187A127.

Sign In Sheet

Discussion of 2.1 Flooding

DATE: June 26, 2012

Name	Organization
ED MILLER	NRR/JLD
Christopher Cook	NRR/DSEA
Jenise Thompson	NRO/DSEA
KEN SEE	NRO/DSEA
Joseph Kannev	RES/DRA
Stephen Campbell	NRR/DFRS
Michelle Brunt	NRC
Ken Karwoski	NRR/NRR/DE
JUAN URIBE	NRR/DE/EMCB
Tom Nicholson	RES/DRA
Jill Carviny	NRO/DSEA
VIA PHONE	
EDWARD J. BRAUN	WORLEY PARSONS
STEPHANIE GRAHL	
LAWRENCE GRYBOSKY	
SRINIVAS P VELUGUBANTLA	
JON A WINTERHAUTER	
YINGOU XU	
HEATHER SMITH SAWYER	BWSC

Enclosure

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OFFICE	PM: NRR/JLD/PMB	LA: NRR/DORL	BC: NRR/JLD/PMB	PM: NRR/JLD/PMB
NAME	EMiller	SRohrer	RPascarelli	EMiller
DATE	07/17/2012	07/10/2012	07/19/2012	07/17/2012

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⁶ The presentation slides are available in ADAMS under accession No. ML12187A128.

⁷ The flow chart is available in ADAMS under accession No. ML12187A127.