

October 3, 2012

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

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

SUBJECT: SUMMARY OF AUGUST 28, 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 August 28, 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* (10 CFR) 50.54(f) to implement this recommendation.

The first discussion was on the NRC slides<sup>4</sup> that depicted the various elements of the integrated assessment for flood protection. Questions were asked on the evaluation of simple flood protection barriers on the definition of adequate margin. Also, for evaluation of complex flood protection systems, there was discussion on how to evaluate operator manual actions, whether the evaluation can be quantitative or qualitative in nature. Lastly, there was a lot of discussion on mitigation evaluation, on what method should be used to make a decision, scenario-based, margins-type or probabilistic risk analysis-based.

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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. ML12220A216.

<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 slides are available under ADAMS Accession No. ML12242A177.

The next topic discussed was NEI's proposed flowchart on Guidance of Performance of Integrated assessment.<sup>5</sup> The NRC staff provided feedback stating that there were some parts missing from the previous version of the flowchart.

The next topic discussed was, general comments from NEI submitted in an e-mail to NRC dated August 27, 2012, on the draft integrated assessment interim staff guidance ( ISG).<sup>6</sup> NEI stated that the draft ISG is very complicated with a lot of background details but is hard to use as guidance, and that a flow chart is needed to make sure the whole process is well understood. Also, NEI stated that it was not clear when an integrated assessment is required, and what needs to be within its scope. There were several comments related to the need for peer review. Lastly, there were several comments in the area of qualitative acceptance criteria in the areas of flood protection, plant mitigation capability, and acceptable operator actions. The NRC agreed to consider these comments and make changes, as appropriate, in the draft ISG. During the meeting, the NRC staff edited the draft ISG.<sup>7</sup> One remaining area of disagreement was the area of peer review.

The final topic was a presentation by NEI<sup>8</sup> regarding the inclusion of the Loss of Ultimate Heat Sink as part of 10 CFR 50.54(f) request letter. The NEI letter, dated August 10, 2012, requested that the potential loss of ultimate heat sink from downstream dam failures should be evaluated as a Tier 2 activity. NRC review of this letter is in progress, and the NRC committed to provide feedback.

The meeting concluded with no additional questions or comments. A reminder was given that the next public meeting was on September 12–13, 2012.

Enclosure:  
Lists of Attendees

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<sup>5</sup> The NEI position paper is available under ADAMS Accession No. ML12242A181.

<sup>6</sup> The NEI general comments on the integrated assessment ISG are available under ADAMS Accession No. ML12242A197.

<sup>7</sup> The edited version of the NRC draft ISG is available under ADAMS Accession No. ML12242A185.

<sup>8</sup> The NEI letter is available under ADAMS Accession No. ML2236A228.

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Memorandum to Matthew A. Mitchell from G. Edward Miller dated October 03, 2012

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IMPLEMENTATION OF NEAR-TERM TASK FORCE RECOMMENDATION  
2.1, FLOODING HAZARD REANALYSIS, RELATED TO THE FUKUSHIMA  
DAI-ICHI NUCLEAR POWER PLANT ACCIDENT

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# Sign In Sheet

Discussion of 2.1 Flooding

DATE: August 28, 2012

Name	Organization
ED MILLER	NRR/JLD
RUDY GIL	NEXT ERA
GEORGE ATTARIAN	Duke Energy
Ray Schneider	Westinghouse
Tom Nicholson	RES/DRA
CHRISTOPHER COOL	NRO/DIEA
JUAN URIBE	NRR/DE
Jeff MITMAN	NRR/DRA/APUB
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MALCOLM PATTERSON	NRC/NRO
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