

March 7, 2016

MEMORANDUM TO: Mohamed K. Shams, Chief
Hazards Management Branch
Japan Lessons-Learned Division
Office of Nuclear Reactor Regulation

FROM: Michael L. Marshall, Jr., Senior Project Manager /RA/
Hazards Management Branch
Japan Lessons-Learned Division
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF JANUARY 27, 2016, PUBLIC WEBINAR WITH THE
NUCLEAR ENERGY INSTITUTE TO DISCUSS FLOODING
MITIGATION STRATEGIES ASSESSMENT TEMPLATE

On February 23, 2016, the U.S. Nuclear Regulatory Commission (NRC) staff met with representatives of the Nuclear Energy Institute (NEI) in a public webinar to discuss the flooding mitigation strategies assessment (MSA) template developed by NEI. The meeting notice and agenda, dated January 11, 2016, are available in the Agencywide Documents Access and Management System (ADAMS) Accession No. ML16026A354. Copies of NEI's flooding MSA template and NRC staff's feedback on the template can be found in the ADAMS under Accession Nos. ML15356A688, ML15357A223, and ML16019A061, respectively. A list of attendees is provided in the enclosure to this letter.

On March 12, 2012, the NRC issued letters to power reactor licensees pursuant to Title 10 of the *Code of Federal Regulations* (10 CFR) Part 50, "Domestic Licensing of Production and Utilization Facilities," Section 50.54(f), which requested that licensees reevaluate the flooding hazards at their sites using updated hazard information and current regulatory guidance and methodologies. Concurrent with the reevaluation of flood hazards, licensees were required to develop and implement mitigating strategies using the most recent external hazard information in accordance with NRC Order EA-12-049, "Issuance of Order to Modify Licenses With Regard to Requirements for Mitigation Strategies for Beyond- Design-Basis External Events" (ADAMS Accession No. ML12054A735). The NRC staff and industry had long recognized the difficulty in developing and implementing mitigating strategies before completing the reevaluation of flood hazards. The NRC staff described these issues and provided recommendations to the Commission on how best to integrate these related activities in COMSECY-14-0037, "Integration of Mitigating Strategies for Beyond-Design-Basis External Events and the Reevaluation of Flooding Hazards," dated November 21, 2014 (ADAMS Accession No. ML14309A256). The Commission issued a Staff Requirements Memorandum on March 30, 2015 (ADAMS Accession No. ML15089A236), affirming that the

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Commission expected licensees for operating nuclear power plants to address the reevaluated flooding hazards within their mitigating strategies for beyond-design-basis external events. It is expected that licensees will complete their MSA and provide a submittal to the NRC in late 2016 (ADAMS Accession No. ML15174A257).

The purpose of the webinar was to discuss the flooding MSA [submittal] template developed by NEI, including disposition of NRC staff's feedback on the draft template. There were two topics discussed during the meeting:

1. Flooding MSA template and NRC staff feedback on the template.
2. Flooding MSA template example and NRC staff feedback on the template example.

During the meeting, the NEI representatives restated that NEI was not requesting NRC staff's endorsement of the flooding MSA template. Additionally, the representatives stated that the template would be made available to reactor licensees for use after NEI was certain that the NRC staff did not have any additional substantive feedback. The NEI provided the template and example to the NRC staff to obtain NRC staff's feedback. The NEI representatives described their disposition of NRC staff's comments and the changes made to the template in response to NRC staff comments. The NEI representatives requested that the NRC staff clarify comments 9, 10, 12, 35, and 36 (ADAMS Accession No. ML15357A223). After clarification by the NRC staff, NEI representatives stated they would reconsider their initial disposition of the staff's comments.

No regulatory decisions were made during the meeting. The following action items were identified during the meeting:

- The NRC staff will work with the NEI representatives to identify a date for and schedule a second webinar in February 2016.
- The NEI representatives will provide a revised flooding MSA template to the NRC for additional feedback in early February 2016.
- The NEI representatives will provide additional examples that illustrate implementation of the template as they are completed throughout February 2016.

Several individuals from other industry organizations participated on the webinar. There were no members of the public in attendance. Prior to concluding the meeting, an opportunity for public comment was afforded. No comments or questions were provided to the NRC staff. Public meeting feedback forms were available via a webinar survey and completed by several participants.

Enclosure:
List of Attendees

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EXTERNAL DISTRIBUTION:
Jim Riley (NEI) jhr@nei.org

ADAMS Accession Nos.: Package: ML16057A13; Summary: ML16057A120; Notice: ML16026A354;

OFFICE	NRR/JLD/JHMB/PM	NRR/JLD/JHMB/LA	NRR/JLD/JHMB/BC	NRR/JLD/JHMB/PM
NAME	MMarshall	SLent	MShams	MMarshall
DATE	03/01/2016	03/01/2016	03/05/2016	03/07/2016

List of Attendees

PUBLIC WEBINAR WITH THE NUCLEAR ENERGY INSTITUTE TO DISCUSS FLOODING
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January 27, 2016

<u>Name</u>	<u>Organization</u>
Aitken, Diane	Dominion
Bailey, Stewart	U.S. Nuclear Regulatory Commission (NRC)
Bellini, Joe	Exelon/Aterra
Bensi, Shelby	NRC
Bentley, Don	Entergy Nuclear Operation
Bowman, Eric	NRC
Bradley, Jeff	Duke Energy
Cook, Christopher	NRC
Fields, John	Xcel Energy
Gasper, Joe	Omaha Public Power District
Geiger, Charlotte	PSEG
Giddens, John	Southern Nuclear
Hubbard, Dean	Duke
Kovarik, Brenda	American Electric Power Company
Krystek, Brian	Engineering Planning & Management, Inc.
Lingle, Ronnie	NextEra Energy
Long, Jerry	Nebraska Public Power District
Marshall, Michael	NRC
Masopust, Petr	Aterra Solutions, LLC
Mesania, Fehmida	Duke Energy
Minarik, Anthony	NRC
Monahan, Rob	Aterra Solutions, LLC
Peschel, Jim	Certrec
Philpott, Steve	NRC
Reckley, William	NRC
Riley, Jim	Nuclear Energy Institute
Rohrer, Rick	Xcel Energy
Shams, Mohamed	NRC
Spink, Thomas	Tennessee Valley Authority
Thomas, Brian	PSEG
Titus, Brett	NRC
Wuokko, Dale	Toshiba

Enclosure