

January 15, 2014

MEMORANDUM TO: Sunil Weerakkody, Chief  
PRA Operations and Human Factors Branch  
Division of Risk Assessment  
Office of Nuclear Reactor Regulation

FROM: Antonios Zoulis, Reliability and Risk Analyst **/RA/**  
PRA Operations and Human Factors Branch  
Division of Risk Assessment  
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF THE DECEMBER 18 -19, 2013 PUBLIC  
MEETING TO OBSERVE NUCLEAR ENERGY INSTITUTE  
TABLETOP EXERCISES ON DEVELOPMENT OF PROPOSED  
PRIORITIZATION PROCESS

The U.S. Nuclear Regulatory Commission (NRC) staff held a public meeting on December 18-19, 2013, to observe the Nuclear Energy Institute (NEI) "tabletop exercises" on prioritization and scheduling of plant activities. These "tabletop exercises" were based on NEI's preliminary draft guidance submitted to the NRC via letter on October 1, 2013 (Agencywide Documents Access and Management System Accession [ADAMS] No. ML13276A147). The agenda and NEI's slide presentations are available in the ADAMS under Accession Nos. ML13337A830 and ML13351A507, respectively. Enclosed is a list of the meeting participants.

The purpose of the meeting was to better understand the industry's proposed guidance and specific details on how a framework for prioritization and scheduling of plant activities would be implemented on an integrated, plant-specific approach. Specifically, the meeting would inform the staff in its development of the notation vote paper, as directed in the February 6, 2013, Staff Requirements Memorandum (SRM) to COMGEA-12-0001/COMWDM-12-0002 "Proposed Initiative to Improve Nuclear Safety and Regulatory Efficiency" (ADAMS Accession Number ML13037A541).

CONTACTS: Antonios Zoulis, NRR/DRA  
(301) 415-1209

A summary of the meeting is as follows:

Both the NRC and NEI staff noted that the Risk Prioritization Initiative (RPI) is a topic of highest interest to the NRC, industry, and the public. The goal of RPI is to maintain the focus on safety by prioritizing regulatory activities on a plant-specific basis and in an integrated manner. The NRC staff also indicated that the NEI October 1, 2013 letter and tabletop exercises (along with any other stakeholder input) are part of the information gathering process by which the NRC staff will ultimately inform the Commission, as directed in the SRM to COMGEA-12-0001/COMWDM-12-0002.

NEI prepared five regulatory issues to test the risk-informed prioritization process on a generic basis. Each issue was prioritized based on NEI 13-AB, Draft 1, "Guidelines for Prioritization and Scheduling Implementation". On December 18, 2013, the following topics were covered: (1) SAMG & EOP Integration (NTTF Recommendation #8), (2) Extended Loss of AC Power and Associated FLEX, and (3) NTTF 2.1 Flooding Hazard Reevaluation. On December 19, 2013, the topics of Cyber Security and Reliable Spent Fuel Pool Instrumentation were used as examples. As emphasized in NEI's opening remarks, the purpose of the tabletop exercises was to illustrate how the process could characterize regulatory issues using an expert panel in a generic basis. The staff provided comments and feedback throughout the tabletop exercises focusing on how different scenarios would be characterized using varying levels of detail and quality through Probabilistic Risk Assessment (PRA) models and risk-informed criteria. The NRC staff also indicated that there is a lack of details on how such a prioritization may be developed in an integrated manner using a site-specific PRA, which is the ultimate scope envisioned in the SRM to COMGEA-12-0001/COMWDM-12-0002. Following the meeting, NEI indicated that it would use the NRC staff and industry insights gained from the table top exercises to revise the guidance to support plant-specific tabletop exercises planned for the February 2014 timeframe, for which NRC observation was requested. It is expected that the outcome of these tabletop exercises will inform both the staff in its development of the notation vote paper, as directed in the SRM to COMGEA-12-0001/COMWDM-12-0002, and NEI's effort to assemble final industry guidance to support potential piloting activities for the industry in the future.

Enclosure:  
Attendance List.

A summary of the meeting is as follows:

Both the NRC and NEI staff noted that the Risk Prioritization Initiative (RPI) is a topic of highest interest to the NRC, industry, and the public. The goal of RPI is to maintain the focus on safety by prioritizing regulatory activities on a plant-specific basis and in an integrated manner. The NRC staff also indicated that the NEI October 1, 2013 letter and tabletop exercises (along with any other stakeholder input) are part of the information gathering process by which the NRC staff will ultimately inform the Commission, as directed in the SRM to COMGEA-12-0001/COMWDM-12-0002.

NEI prepared five regulatory issues to test the risk-informed prioritization process on a generic basis. Each issue was prioritized based on NEI 13-AB, Draft 1, "Guidelines for Prioritization and Scheduling Implementation". On December 18, 2013, the following topics were covered: (1) SAMG & EOP Integration (NTTF Recommendation #8), (2) Extended Loss of AC Power and Associated FLEX, and (3) NTTF 2.1 Flooding Hazard Reevaluation. On December 19, 2013, the topics of Cyber Security and Reliable Spent Fuel Pool Instrumentation were used as examples. As emphasized in NEI's opening remarks, the purpose of the tabletop exercises was to illustrate how the process could characterize regulatory issues using an expert panel in a generic basis. The staff provided comments and feedback throughout the tabletop exercises focusing on how different scenarios would be characterized using varying levels of detail and quality through Probabilistic Risk Assessment (PRA) models and risk-informed criteria. The NRC staff also indicated that there is a lack of details on how such a prioritization may be developed in an integrated manner using a site-specific PRA, which is the ultimate scope envisioned in the SRM to COMGEA-12-0001/COMWDM-12-0002. Following the meeting, NEI indicated that it would use the NRC staff and industry insights gained from the table top exercises to revise the guidance to support plant-specific tabletop exercises planned for the February 2014 timeframe, for which NRC observation was requested. It is expected that the outcome of these tabletop exercises will inform both the staff in its development of the notation vote paper, as directed in the SRM to COMGEA-12-0001/COMWDM-12-0002, and NEI's effort to assemble final industry guidance to support potential piloting activities for the industry in the future.

Enclosure:  
As stated

**DISTRIBUTION:**

PUBLIC

RidsNrrDra

SWeerakkody, NRR

AZoulis, NRR

FFerrante, NRR

**ADAMS ACCESSION No:** \_ML14015A090

OFFICE	NRR/DRA/APHB	BC: NRR/DRA/APHB
NAME	AZoulis	SWeerakkody
DATE	1/15 /14	1/ 15 /14

**OFFICIAL RECORD**

## ATTENDANCE LIST

Dec 18, 2013 (Wednesday)

<b>PARTICIPANT</b>	<b>AFFILIATION</b>
Dan Dorman	Nuclear Regulatory Commission (NRC)
Samson Lee	NRC
Sunil Weerakkody	NRC
Antonios Zoulis	NRC
Fernando Ferrante	NRC
Ching Ng	NRC
Tim Reed	NRC
Mike Snodderly	NRC
Eric Bowman	NRC
Adrian Heymer	NEI
Kati Austgen	NEI
Thomas Zachariah	PWR Owners Group
Jim Chapman	Sciencetech CWFC
Gerald A Loignon, Jr	SCE&G
Biff Bradley	NEI
Donald Dube	Erin Engineering
Jana Bergman	Sciencetech CWFC
David Young*	NEI
Alan Levinson*	AREVA
Odunayo Ayegbusi*	NRC
Bill Reckley*	NRC
Laura Kozak*	NRC
Nick Pappas*	Public
Ray Schneider*	Public
Harold Scott*	NRC
Sheena Whaley*	NRC

Enclosure

Dec 19, 2013 (Thursday)

<b>PARTICIPANT</b>	<b>AFFILIATION</b>
Samson Lee	Nuclear Regulatory Commission (NRC)
Lawrence Kokajko	NRC
Sunil Weerakkody	NRC
Antonios Zoulis	NRC
Fernando Ferrante	NRC
Ching Ng	NRC
Tim Reed	NRC
Mike Snodderly	NRC
Donnie Harrison	NRC
Jonah Pezeshki	NRC
Adrian Heymer	NEI
Thomas Zachariah	PWR Owners Group
Gerald A Loignon, Jr	SCE&G
Biff Bradley	NEI
Donald Dube	Erin Engineering
Alex Rubbico*	Public
Rob Krsek*	NRC
Odunayo Ayegbusi*	NRC

\* Participate via video-conference or teleconference