

December 16, 2015

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

FROM: Matthew Humberstone, Project Manager */RA/*  
Generic Communications Branch  
Division of Policy and Rulemaking  
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF THE DECEMBER 9, 2015, PUBLIC MEETING  
BETWEEN U.S. NUCLEAR REGULATORY COMMISSION  
STAFF AND STAKEHOLDERS TO DISCUSS TREATMENT OF  
FLEX STRATEGIES AND EQUIPMENT IN RISK-INFORMED  
DECISIONMAKING

On December 9, 2015, a Category 2 public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) and stakeholders, at Three White Flint North, Room 01C03/01C05. The purpose of the meeting was to seek interested stakeholder input on how to treat FLEX strategies and equipment in risk-informed decision making.

The NRC project manager requested all NRC participants actively participate in discussions and emphasized to the attendees that individual staff views expressed at the meeting do not constitute formal NRC positions or comments, and that no decisions would be made at the meeting.

The NRC opened the public meeting with opening remarks from the Branch Chief of the Probabilistic Risk Analysis (PRA) Operations and Human Factors Branch from the Office of Nuclear Reactor Regulation (NRR), who stressed the importance of this issue and the need to resolve it in an efficient and timely manner.

The NRC followed the opening remarks with a presentation titled, "Crediting Mitigating Strategies in Risk Informed Decision Making" (Agencywide Documents Access and Management System (ADAMS) Accession No. ML15345A007). The discussion focused on the purpose of the meeting, the progress since the last meeting, and the next steps. In summary, NRC noted that the two white papers the industry transmitted on December 2, 2015, have been distributed to interested internal stakeholders for comments, and the NRC expects to share those comments with NEI during the month of January.

NEI gave a presentation titled, "Qualitative Assessment for Crediting Mitigating Strategies Equipment in RI [Risk Informed] Decision Making," and "Streamlined Approach for Crediting Mitigating Strategies Equipment in RI Decision Making" (ADAMS Accession No. ML15345A009), which described the previously submitted NEI white papers titled, "Qualitative

Assessment for Crediting Mitigating Strategies Equipment in Risk-Informed Decision Making” (ADAMS Accession No. ML15337A103), and “Streamlined Approach for Crediting FLEX in Risk-Informed Decision Making” (ADAMS Accession No. ML15337A105). In this presentation, NEI walked through an example use of the Qualitative Assessment approach for a turbine driven auxiliary feedwater pump Notice of Enforcement Discretion (NOED) and an example use of the streamlined approach for an emergency diesel generator setdown pool.

Throughout the meeting, there were several in-depth discussions between NRC staff and stakeholders on the path forward for addressing the issue, the areas of concern for the NRC and the stakeholders, and the need for efficiently addressing crediting mitigating strategies in risk-informed decision making. For example, on the industry’s example on crediting mitigating strategy for NOEDs, participants discussed whether additional guidance is necessary to enable decision makers on the magnitude of credit that can be provided to Mitigating Strategies. There were discussions with respect to possible interactions between crediting Mitigating Strategies in PRA and the applicability of the Maintenance Rule to Mitigating Strategies.

A list of meeting attendees is enclosed.

Please direct any inquiries to Matthew Humberstone, Project Manager, at 301-415-1464, or [Matthew.Humberstone@nrc.gov](mailto:Matthew.Humberstone@nrc.gov).

Enclosure:  
List of Attendees

Assessment for Crediting Mitigating Strategies Equipment in Risk-Informed Decision Making” (ADAMS Accession No. ML15337A103), and “Streamlined Approach for Crediting FLEX in Risk-Informed Decision Making” (ADAMS Accession No. ML15337A105). In this presentation, NEI walked through an example use of the Qualitative Assessment approach for a turbine driven auxiliary feedwater pump Notice of Enforcement Discretion (NOED) and an example use of the streamlined approach for an emergency diesel generator setdown pool.

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List of Attendees

**DISTRIBUTION:**

PUBLIC  
RidsNrrDpr  
SStuchell  
MHumberstone  
RidsNrrDssSrxb  
RidsOpaMail  
RidsAcrc\_MailCTR  
RidsOgcMailCenter  
RidsNrrDirs

**EXTERNAL DISTRIBUTION:**

Dave Lochbaum - [dlochbaum@ucsusa.org](mailto:dlochbaum@ucsusa.org)

Meeting Notice: ML15323A177

Meeting Slides: ML15345A007, ML15345A009

**ADAMS Accession Nos:** ML15348A009

NRR-001

OFFICE	NRR/DPR/PGCB/PM*	NRR/DPR/LA	NRR//DRA*	NRR/DPR/PGCB/PM
NAME	MHumberstone	ABaxter	SWeerakkody	MHumberstone
DATE	12/10/2015	12/16/2015	12/15/2015	12/16/2015

**OFFICIAL RECORD COPY**

**ATTENDANCE LIST**

**PUBLIC MEETING BETWEEN STAKEHOLDERS AND THE U.S. NUCLEAR REGULATORY  
COMMISSION STAFF TO DISCUSS TREATMENT OF MITIGATING STRATEGIES IN RISK-  
INFORMED DECISION MAKING  
(CATEGORY 2)**

**DECEMBER 9, 2015**

**1:00 p.m. - 4:00 p.m.**

**THREE WHITE FLINT NORTH, ROOM 01C03/01C05**

<b>NAME</b>	<b>ORGANIZATION</b>
Andrew Hall	SCE&G VC Summer
Bob Hagar	NRC/RIV
Dale Wuokko	Toshiba
Edmond Wiegert	Engineering Planning and Management (EPM), Inc.
George MacDonald	NRC/RII
Jana Bergman	Curtiss-Wright/Nuclear
Jeff Mitman	NRC/NRR/DRA
Jim Hickey	NRC
Joseph Giitter	NRC/NRR/DRA
Mark Moenssens	Westinghouse
Matthew Humberstone	NRC/NRR/DPR
Michael Montecalvo	NRC/NRR/DRA
Michael Powell	Arizona Public Service Co. (APS)
Michael Tschiltz	NEI
Paul Sicard	Entergy
Philip Tarpinian	Exelon
Robert Meyer	Professional Reactor Operator Society (PROS)
Roy Linthicum	Exelon/PWROG
Samson Lee	NRC/NRR/DRA
Stephen J. Campbell	NRC/NRR/DIRS
Sunil Weerakkody	NRC/NRR/DRA
Thomas Zachariah	NEI
William Webster	Dominion
Yung Hsia J Chang	NRC/RES/DRA

Enclosure