

June 9, 2016

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

FROM: Candace Spore, Reliability and Risk Analyst */RA/*  
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Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF MAY 10, 2016 PUBLIC MEETING TO CONTINUE  
DISCUSSIONS BETWEEN THE NRC AND INDUSTRY RISK-  
INFORMED STEERING COMMITTEES (RISC)

On May 10, 2016, 2016, the U.S. Nuclear Regulatory Commission (NRC) staff held a Category 2 public meeting to continue discussions between the NRC and industry Risk-Informed Steering Committees (RISC). The purpose of the meeting was to engage the industry and public in discussions on risk-informed topics of interest. The meeting notice is available in the Agencywide Documents Access and Management System (ADAMS) Accession Number ML16118A114. The committees received a brief update on the status of the Probabilistic Risk Analysis (PRA) Technical Adequacy Working Groups including the recently held the public workshop. The RISCs received an update on efforts pertaining to crediting mitigating strategies (MS) in risk-informed decision making (RIDM) including the path forward on this effort. The RISCs had a discussion on the use of licensee PRA models vice SPAR models in regulatory processes with both groups indicating the need for more information exchange and continued discussions. The industry presented to the committees their desire to ensure practical guidance for the aggregation of risk insights across hazard categories. The Nuclear Energy Institute (NEI) also presented on their desire to streamline 10CFR 50.69 submittals across the industry. The presentations are available in ADAMS Accession Numbers ML16140A064, ML16140A073, ML16140A077, and ML16140A074 respectively. A list of individuals that participated in the meeting is provided as an enclosure to this document. No public meeting feedback forms were received after the meeting.

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The NRC RISC chair welcomed the participants to the meeting, providing the purpose of the meeting and introducing the topics to be covered. He emphasized the work that is in progress concerning crediting MS in RIDM and the importance to both the industry and NRC in moving forward with this initiative. The industry RISC co-chair provided opening comments echoing the statements of the NRC RISC chair including that the initiatives discussed by these committees enhance safety by utilizing risk insights in decision making. He also stressed the importance of completing the work from the previous initiatives to realize the safety benefits.

#### NRC PRA Technical Adequacy Working Group and Industry Working Group Status Update

NRC staff provided an update on continuing progress on the working group initiatives. The working group held a public workshop on May 2<sup>nd</sup> and reported the results of this workshop. NRC staff had identified some concerns with the draft NEI guidance documents that were discussed at the workshop. NRC staff is currently developing internal guidance for implementing the vetting panel process proposed by the working groups. A public meeting to discuss the vetting panel process will be held on June 30, 2016. The NRC staff also intends to observe the industry pilot of the proposed facts and observations (F&O) closure process for lessons learned to factor in industry guidance.

#### Use of Licensee PRA Models in Regulatory Applications

NRC staff provided a presentation on the evaluation of using licensee PRA models in regulatory applications. The NRC project lead began by providing some background from the evaluation that was completed in 2007 and the ultimate decision to not pursue the effort. Those reasons included the lack of standardization throughout the industry, the independence required for the reactor oversight process, and the major logistical and resource issues with shifting to this type of approach. The reasons for re-evaluating this issue were also discussed including the cost to maintain and update SPAR models, the increased budget pressures, and the continued focus on identifying efficiency gains in NRC processes. The NRC project lead requested information from industry to understand the following items: level of standardization with industry, licensee willingness to participate, and potential licensee concerns in regards to the project. The next steps for the project will be to evaluate the potential cost benefits and engage with the NEI task force to evaluate whether to perform a pilot. The NRC RISC members stressed the need to move quickly through the evaluation process within the next few months.

#### Discussion on Crediting MS in RIDM

NRC staff provided an update on activities performed to date with respect to crediting MS in RIDM. NEI developed white papers on behalf of the industry that were distributed to interested NRC stakeholders. A workshop was held in March with good participation from both industry and the NRC. Overall it was agreed that the white papers address a large number of issues that are important to the NRC staff in risk informed decision making (RIDM). The NEI white papers are intended to provide a framework to streamline the crediting of MS in RIDM applications. NEI has agreed to revise the white papers based on the March workshop and NRC staff comments. The staff will receive and review white papers and provide a letter response to NEI in June. NRC staff will prioritize and revise application specific guidance where needed to provide guidance to NRC analysts concerning crediting MS in RIDM.

Closing Remarks

The industry RISC chair once again expressed the industry desire to keep these initiatives and the high level discussions between the management teams moving forward for the mutual benefit of both the industry and NRC. The industry RISC chair stated the need to complete some the initiatives taken on by the committee in a timely fashion. The NRC RISC chair agreed that this has been a successful forum for collaboration, thanked the participants for their attendance, and closed the meeting.

Enclosure:  
List of Meeting Attendees

Closing Remarks

The industry RISC chair once again expressed the industry desire to keep these initiatives and the high level discussions between the management teams moving forward for the mutual benefit of both the industry and NRC. The NRC RISC chair agreed that this has been a successful forum for collaboration where necessary, thanked the participants for their attendance and closed the meeting.

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NAME	CSpore	SWeerakkody
DATE	06/08/2016	06/09/2016

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## LIST OF MEETING ATTENDEES

<b>Name</b>	<b>Organization</b>
Candace Spore	NRC
Bill Dean	NRC
Michael Montecalvo	NRC
James Slider	NEI
Scot Greenlee	Exelon
Bob Bement	APS
Thomas Zachariah	NEI
Danny Bost	Southern Nuclear
Tony Pietrangelo	NEI
Gregory Krueger	Exelon
Victoria Anderson	NEI
Paul Harden	First Energy
Joseph Giitter	NRC
Adrienne Driver	NRC
Jeff Mitman	NRC
Russ Felts	NRC
John A. Nakoski	NRC
Brian McDermott	NRC
Richard Correia	NRC
John Monninger	NRC
Joel Munday	NRC
Ed Hackett	NRC
Victoria Huckabay	NRC
Sunil Weerakkody	NRC
JS Hyslop	NRC
Nathan Siu	NRC
Matt Leech	NRC
Prasad Kadambi	ANS
Laura Ng	NRC
Candace Pfefferkorn*	NRC
Robert Fosdick	CNWRA
Phil Tarpinian*	Exelon
Robert Krsek*	NRC
Jana Bergman*	Curtis Wright
David Miskiewicz*	EPM
Daniel Speaker*	SWRI

\* Participated by teleconference

ENCLOSURE