

July 31, 2014

MEMORANDUM TO: Joseph Giitter, Director  
Division of Risk Assessment  
Office of Nuclear Reactor Regulation

THRU: Donald Chung, Acting Chief */RA*  
PRA Operations and Human Factors Branch  
Division of Risk Assessment  
Office of Nuclear Reactor Regulation

FROM: Michael Montecalvo  
Reliability and Risk Analyst PRA Operations */RA/ D. Chung for/*  
and Human Factors Branch  
Division of Risk Assessment  
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF MAY 15, 2014, PUBLIC MEETING TO PRESENT  
PROPOSED PROBLEM STATEMENTS FOR THE  
RISK-INFORMED STEERING COMMITTEE WORKING GROUPS

On May 15, 2014, the U.S. Nuclear Regulatory Commission (NRC) staff held a Category 2 public meeting at the NRC headquarters location in Rockville, Maryland to present proposed problem statements for the risk-informed steering committee (RISC) working groups that were formed at the April 3, 2014 joint public meeting of the NRC and Industry RISC's. NRC staff and industry members also provided an update to the RISC's on National Fire Protection Association Standard 805, "Performance-Based Standard for Fire Protection for Light-Water Reactor Electric Generating Plants" (NFPA 805) implementation.

Each working group presented the proposed problem statements, major objectives, and potential work products. Both the NRC and Industry RISC members provided comments and direction on the path forward. The working groups will continue to hold public meetings to collaborate on the action plans and provide periodic updates to the RISC's.

The meeting was attended by over 45 individuals, primarily representing industry, non-governmental organizations, and NRC staff. There was no feedback from the public during the meeting and no feedback forms were received after the meeting.

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The meeting notice, NFPA-805 presentation, and working group presentation are available in the Agencywide Documents Access and Management System (ADAMS) Accession Numbers ML14121A025, ML14142A038, and ML14142A040 respectively.

### Opening Remarks

Eric Leeds, NRC RISC chair, provided opening remarks beginning with a brief outline of what will be covered at the meeting. Concerning NFPA-805 implementation, he emphasized the need to remain forward focused and apply lessons learned to upcoming risk-informed initiatives. He also discussed the significant safety improvements that have been achieved in the plants that have transitioned to NFPA-805. With regard to the working groups, reports to him from NRC staff is positive, they are working well together, it's cooperative, supportive, and it's clear that we have the right people on the teams. He shared an observation from the internal NRC RISC meetings. In contrast to the first working group with a relatively well defined, concrete, and manageable problem statement, it is more difficult to be clear and succinct in a problem statement for the second working group. The NRC staff recognized that further discussions will be required before achieving a manageable problem statement with the second working group.

Maria Korsnick, industry RISC co-chair, provided opening remarks for the industry stating she was interested to hear on the progress of the working groups to ensure they are on pace for the future. The industry RISC agreed that the scope of work for the second working group was not as well defined at this point and more time may be needed to refine the problem statement.

### NFPA-805

NRC staff provided an update on NFPA-805 implementation highlighting some of the process improvements that have taken place. The significant safety improvements being made to the plants that are transitioning to NFPA-805 was stressed throughout the presentation. Open channels of communication have been established between the NRC's Division of Risk Assessment and the Vice Presidents of the licensees, which has yielded great benefits on both sides in terms of understanding the pressing issues.

The industry members discussed NFPA-805 implementation noting difficulties in the beginning but much improvement to date with a note of caution that the lessons learned be carried forward to future risk-informed initiatives. Some specific concerns outlined by the industry were the cost increases, resource challenges, and planning challenges that were experienced but not anticipated. The industry outlined some future concerns including executive disillusionment with PRA and risk-informed initiatives because of experiences with NFPA-805 implementation. There was an admission that forming the RISC's has improved communication and outlook for the future. The industry ended with a specific recommendation that there be a delay after any pilot activities to capture and apply lessons learned before moving forward to full implementation by the industry.

### Working Group No. 1

NRC staff summarized the work completed by working group No. 1, which is focused on probabilistic risk assessment (PRA) technical adequacy. The industry and the NRC started with

two separate problem statements, but were able to collaborate and form one combined statement available in ADAMS Accession Number ML14134A450. Both the industry and NRC agreed that the problem statement accurately portrayed the majority of the issues. Both RISC's want to see more development of the issues in the form of an action plan and ultimately a scoping document with proposed dates. The NRC cautioned that a revision to Regulatory Guide 1.200 may not provide the expediency necessary to keep the project moving forward. One alternative provided was interim staff guidance. Both the NRC and the industry noted the need to ensure that this initiative stays coordinated with other groups that are handling issues that may be affected by proposed changes (e.g. seismic PRA).

#### Working Group No. 2

NRC staff summarized the work completed by working group No. 2, which is focused on the treatment of uncertainties. The industry and the NRC started with two separate problem statements, but were able to collaborate and form one combined statement available in ADAMS Accession Number ML14134A413. There was some discussion regarding the opening comment statements that the problem statement and scope are more difficult to define for this working group compared to the first working group. Both RISC's agreed that it will require more work to prepare concise statements pertaining to treatment of uncertainties, but ultimately it will be a fruitful effort. The working group was given direction to begin action planning similar to the first working group with the acknowledgement that it may be a more time consuming process.

#### Closing Remarks

Both RISC's agreed to continue interaction frequently and requested the next meeting to be in June. The working groups will continue their interactions in the public setting to assemble action plans and ultimately scoping documents.

The industry requested that endorsement of trial use PRA standards be discussed at the next meeting.

There were no public comments during the meeting and no public comment feedback forms were received following the meeting.

Enclosure:  
List of Attendees

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DATE	07/ 17 /2014	06/10/2014	07/ 31 /2014

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### LIST OF MEETING ATTENDEES

<b>Name</b>	<b>Organization</b>
Sunil Weerakkody	NRC
Victoria Anderson	NEI
Michael Montecalvo	NRC
Charles Ader	NRC
Steven West	NRC
Donnie Harrison	NRC
Jodi Rappe*	Nuscale Pwr
Dan Dorman	NRC
Eric Leeds	NRC
Joe Giitter	NRC
Doug True*	ERIN
Rich Correia	NRC
Hossein Hamzehee	NRC
Ching Ng	NRC
Amir Afzali	Southern Nuclear
Robert Rishel	Duke Energy
Greg Krueger	Exelon
Maria Korsnick	CENG/Exelon
Tony Pietrangelo	NEI
Elliott Flick	Exelon
Paul Amico*	Hughes
Dave Gennardo	NRC
Samson Lee	NRC
Fernando Ferrante	NRC
Anders Gilbertson	NRC
Nathan Siu	NRC
Paul Harden	First Energy
Brian McDermott	NRC
Jonathan DeJesus	NRC
Mark Caruso	NRC
Bill Reckley	NRC
Mike Tschiltz	NEI
See Meng Wong	NRC
Jerrod Demers	NRC
John Monninger	NRC
Jana Bergman	Scientech
Joe Grimes	TVA
Pete Ivey	Southern Nuclear
John Butler	NEI
Stuart Lewis	EPRI
Joe Pollock	NEI
Roy Linthicum	Exelon
Jim Becker	STARS Alliance
Andy Ratchford*	RDS
Michael Kennedy*	Energy Northwest
Ronaldo Szilard*	INL
Ruth Thomas*	Public
Denis Shumaker*	PSEG
Phil Tarpinian*	Exelon

\* Participated by teleconference

ENCLOSURE