

March 7, 2013

MEMORANDUM TO: Lynn Mrowca, Chief
Probabilistic Risk Assessment and Severe Accidents Branch
Division of Safety Systems and Risk Assessment
Office of New Reactors

FROM: Suzanne Schroer, Reliability and Risk Analyst **/RA/**
Probabilistic Risk Assessment and Severe Accidents Branch
Division of Safety Systems and Risk Assessment
Office of New Reactors

SUBJECT: SUMMARY OF PUBLIC MEETING TO DISCUSS RISK-RELATED
TOPICS FOR NEW REACTORS, HELD ON FEBRUARY 19, 2013

On February 19, 2013, the U.S. Nuclear Regulatory Commission (NRC) staff held a public meeting via teleconference to discuss risk-related topics for new reactors. The meeting was held to follow up on previous meetings held on September 18, 2012, October 17, 2012, and January 22, 2013, on similar topics and to facilitate communication between the NRC and industry on risk-informed applications for new reactors. Additionally, this meeting was held to provide an overview of the draft commission paper on the history of the use and consideration of the large release frequency (LRF) metric by NRC. The meeting agenda is provided as Enclosure 1. A list of attendees is provided as Enclosure 2. Handouts presented by staff and the Electric Power Research Institute (EPRI) are available in the NRC Agencywide Document Access and Management System (ADAMS) (ADAMS Accession No. ML13046A078 and ML13051A263, respectively). The meeting summaries from the September 18, 2012, October 17, 2012, and January 22, 2013, meetings are also available in ADAMS (ADAMS Accession No. ML12277A357, ML12341A153, and ML13037A590, respectively).

A revised public meeting notice was issued on February 14, 2013, and was posted on the NRC's external (public) web page (ADAMS Accession No. ML13045A469). The notice included the meeting agenda. The discussions included industry comments on risk-informed inservice inspection (RI-ISI) and risk-informed categorization and treatment of structures, systems, and components for nuclear power plants (10 CFR 50.69); the use of interim staff guidance for communicating NRC expectations; and an overview of the draft commission paper on the history of the use and consideration of the LRF metric by NRC.

NRC staff began the meeting by providing an overview of the agenda. The staff then opened the floor for questions or comments on the NRC's January 22, 2013, presentation on risk-informed inservice inspection. EPRI requested clarification on several parts of the presentation and noted some changes to the status of ASME Code Case N-716. Discussion was held on the EPRI template that was submitted as part of the September 18 meeting (ADAMS Accession No. ML12255A354).

CONTACT: Suzanne Schroer, NRO/DSRA/SPRA
(301) 415-5958

For example, the staff indicated that experience with RI-ISI programs at operating reactors might not be directly applicable to the systems in new passive reactors. Therefore, it might be more appropriate to obtain experience with traditional RI-ISI programs at new reactors prior to implementing a streamlined program such as described in ASME Code Case N-716. The staff agreed that a follow-up meeting is needed to discuss the technical details of this template.

The staff then opened the floor for questions or comments on the NRC's January 22, 2013, presentation on risk-informed categorization and treatment of structures, systems, and components for nuclear power plants (10 CFR 50.69). EPRI requested clarification of the NRC's expectations for new reactor 50.69 submittals in light of the 10 CFR 50.69 pilot submittal for operating units Vogtle 1 and 2. The staff indicated that the NRC Office of Nuclear Reactor Regulation (NRR) is performing the review of the 10 CFR 50.69 submittal for Vogtle Units 1 and 2. The staff of the NRC Office of New Reactors (NRO) will need to closely follow the review of the 10 CFR 50.69 submittal for Vogtle Units 1 and 2 for lessons learned that are applicable to new reactor submittals.

A discussion was held on the use of interim staff guidance (ISG) for communicating NRC expectations associated with new reactors in the absence of industry standards or guidance. The Nuclear Energy Institute (NEI) representative noted that he is concerned that interim staff guidance is not the appropriate mechanism in lieu of regulatory guides to provide NRC positions on risk-informed programs. NEI assured the staff that specific comments will be submitted if any ISGs are issued on this topic.

NRC staff presented an overview of the draft commission paper on the history of the use and consideration of the LRF metric by NRC. The staff presented the background of LRF and its relationship to large early release frequency.

Enclosures: As stated

PROPOSED AGENDA

FORTHCOMING PUBLIC MEETING TO DISCUSS RISK-INFORMED APPLICATIONS FOR NEW REACTORS

February 19, 2013

1:00 p.m. - 3:00 p.m.

TIME	TOPIC	LEAD
1:00 p.m.	Opening Remarks	NRC
1:05 p.m.	Discussion on Risk-Informed Inservice Inspection (Industry Comments)	NRC/EPRI/NEI
1:25 p.m.	Discussion on Risk-Informed Safety Classification "Risk-Informed Categorization and Treatment of Structures, Systems, and Components for Nuclear Power Reactors" - 10 CFR 50.69 (Industry Comments)	NRC/EPRI/NEI
1:45 p.m.	Discussion on use of Interim Staff Guidance for NRC positions	NRC
2:05 p.m.	Overview of Draft Commission Paper on the History of the Use and Consideration of the LRF Metric by NRC	NRC
2:55 p.m.	Public Comments	NRC
3:00 p.m.	Adjourn	

LIST OF ATTENDEES
MEETING REGARDING RISK-RELATED TOPICS FOR NEW REACTORS
TUESDAY, JANUARY 22, 2013

Name	Organization	E-mail
Kristy Bucholtz	NRC/NRR/DSS	kristy.bucholtz@nrc.gov
Bill Galyean	NuScale Power	bgalyean@nuscalepower.com
Malcolm Patterson	NRC/NRO/DSRA	malcolm.patterson@nrc.gov
Jody Martin	NRC/OGC	jody.martin@nrc.gov
Derick Botha	NuScale Power	dbotha@nuscalepower.com
Gary Becker	NuScale Power	gbecker@nuscalepower.com
Lynn Mrowca	NRC/NRO/DSRA	lynn.mrowca@nrc.gov
Suzanne Schroer	NRC/NRO/DSRA	suzanne.schroer@gmail.com
Dave Terao	NRC/NRO/DE	david.terao@nrc.gov
Biff Bradley	NEI	reb@nei.org
Thomas Scarbrough	NRC/NRO/DE	thomas.scarbrough@nrc.gov
Kati Austgen	NEI	kra@nei.org
Jana Bergman	Sciencetech	jbergman@curtisswright.com
Tony Nakanishi	NRC/NRO/DSRA	tony.nakanishi@nrc.gov
Jim Chapman	Sciencetech	jchapman@curtisswright.com
Alan Jelalian	EPM, Inc.	ahj@epm-inc.com
Camille Zozula	Westinghouse	zozulact@westinghouse.com
Bob Tjader	NRC/NRO/DSRA	Theodore.tjader@nrc.gov
Pat O'Regan	EPRI	poregan@epri.com
Steve Nass	Westinghouse	nasssa@westinghouse.com
Pete Jordan	INL	Peter.jordan@inl.gov
Steve Bloom	NRC/NRO/DCIP	Steven.bloom@nrc.gov
Jason Schaperow	NRC/NRO/DSRA	Jason.schaperow@nrc.gov
Hanh Phan	NRC/NRO/DSRA	Hanh.phan@nrc.gov
Steven Downey	NRC/NRO/DE	Steven.Downey@nrc.gov
Henry Wagage	NRC/NRO/DSRA	Henry.wagage@nrc.gov
Mary Drouin	NRC/RES	Mary.drouin@nrc.gov
Eric Powell	NRC/NRO/DSRA	Eric.powell@nrc.gov
Vish Patel	SNC	vpatel@southernco.com

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