

January 9, 2014

MEMORANDUM TO: Shana R. Helton, Chief  
Rulemaking Branch  
Division of Policy and Rulemaking  
Office of Nuclear Reactor Regulation

FROM: Richard F. Schofer, Sr. Cost Analyst /RA/  
Rulemaking Branch  
Division of Policy and Rulemaking  
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF DECEMBER 12, 2013, PUBLIC MEETING ON  
FILTERING STRATEGIES RULEMAKING (TAC NO. MF1878)

The U.S. Nuclear Regulatory Commission (NRC) held a Category 3 public meeting on December 12, 2013, to discuss the regulatory basis and proposed rule extension, core damage event trees and containment event trees, and the assumptions and status of the MELCOR and Modular Accident Analysis Program (MAAP) analyses for the filtering strategies rulemaking. The public meeting was held at the NRC headquarters location in Rockville, Maryland. The purpose of the meeting was to discuss the development of the technical basis for the filtering strategies rulemaking, specifically: 1) core damage event trees and containment/accident progression event trees; and 2) dominant scenarios to achieve a common understanding of the dominant core damage sequences, including their basis and assumptions for the evaluation of the options.

The meeting was attended by 28 individuals primarily representing industry representatives, non-government organizations, and NRC staff. Of the 28 participants, 6 participated in the meeting through audio teleconferencing. An attendance list is included in this summary as an enclosure. There were technical difficulties with the planned webinar.

The meeting notice is available in the Agencywide Documents Access and Management System (ADAMS) under accession no. ML13324B146. The presentation materials are available under accession nos. ML13346A815, "12/12/2013 – Filtering Strategies Rulemaking Public Meeting – NRC Presentation Material," and ML13350A402, "12/12/13 – "Scenario Development for Accident Management Rulemaking."

The public meeting was transcribed and is available in ADAMS under Accession No. ML13357A801.

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The major areas of discussion are summarized below:

NRC Presentation

- Reviewed the schedule for the regulatory basis and proposed rule, which were extended 9 months. The revised dates are December 19, 2014 and December 19, 2015 respectively. The final rule date is unaffected and is due to the Commission on March 19, 2017.
- Staff is awaiting emergency procedures guidelines, severe accident guidelines, and additional cost information requested from the Boiling Water Reactor (BWR) Owners Group (BWROG) to develop the regulatory basis. Randy Bunt, vice chairman of the group's Fukushima Response Committee and a manager at Southern Nuclear Operating Company stated that the group is making progress on providing the detailed cost information to supplement the preliminary high-level cost data already provided. He further stated that he doubted the BWROG would be able to provide the emergency procedure guidelines and severe accident guidelines by January 2, 2014. He did not say when the group would provide that information.
- Provided information into how FLEX will be modelled in the risk evaluation.
- Provided information on the definition of extended loss of ac power (ELAP), external events that may initiate an ELAP event, and draft site-specific ELAP event frequencies.
- Provided information on station blackout core damage event tree assumptions, sources of failure data, and draft ELAP event sequence frequencies.

Industry Presentation

- Provided information on general assumptions, scenario specific assumptions, and the five alternatives to analyze.
- Provided information on the industry's core damage event tree and discussed the preliminary dominant sequences resulting in core damage and the preliminary dominant sequences resulting in radiological release.

The NRC and industry participants agreed that the purpose of the meeting was achieved that there is a sufficient understanding of the dominant core damage sequences including their basis and assumptions to commence evaluation of the options. Members of the general public did not have any questions or comments during the meeting. Four public comment feedback forms were received after the meeting.

Enclosure:  
List of Attendees

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#### DISTRIBUTION:

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**ADAMS Accession Nos.: Pkg. ML13357A794; Notice ML13324B146; Summary ML13357A799; Presentation Materials ML13346A815, ML13350A402; Transcript ML13357A801 \*via email**

**NRC-002**

<b>OFFICE</b>	DPR/PRMB:CA	DPR/PRMB:RS*	DPR/PRMB:BC	DPR/PRMB:CA
<b>NAME</b>	FSchofer	GLappert	SHelton	FSchofer
<b>DATE</b>	1/3/2014	1/6/2014	1/8/2014	1/9/2014

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## LIST OF MEETING ATTENDEES

Name	Organization
Fred Schofer	NRC
Stewart Schneider	NRC
Jenny Tobin	NRC
Jerome Bettle	NRC
Randy Bundt	SNC
Jeff Gabor	ERIN
Phily Amway	CENG
Nageswara (Rao) Karipineni	NRC
Tom Stevens	NEI
Patrick K. Fallon	DTE
Rick Wachowiak	EPRI
Marty Stutzke	NRC
Yung Hsien (James) Chang	NRC
Sud Basu	NRC
Weidong Wang	NRC
Bill Reckley	NRC
Hossein Esmaili	NRC
Karl Sturzebecher	NRC
Carmen Franklin	NRC
John C. Lane	NRC
Shana Helton	NRC
Kamishan Martin	NRC
John McIntyre*	Not provided
Necdet Kurul*	GE Hitachi Nuclear Energy
Daniel Ludwig*	Xcel Energy
Francis Loscalzo*	Not provided
Bob Cowen*	GE Hitachi
Tina Ghosh*	NRC
* Participated by teleconference	

ENCLOSURE