

August 7, 2006

MEMORANDUM TO: Farouk Eltawila, Director  
Division of Risk Assessment and Special Projects  
Office of Nuclear Regulatory Research

THRU: Jimi T. Yerokun, Branch Chief */RA/*  
Risk Application and Special Projects Branch  
Division of Risk Assessment and Special Projects  
Office of Nuclear Regulatory Research

FROM: Michele N. Laur, Senior Reliability and Risk Engineer */RA/*  
Risk Application and Special Projects Branch  
Division of Risk Assessment and Special Projects  
Office of Nuclear Regulatory Research

SUBJECT: FORTHCOMING MEETING WITH SANDIA NATIONAL  
LABORATORIES AND AN EXPERT PANEL ON MELCOR/MACCS  
CODES IN SUPPORT OF THE STATE-OF-THE-ART REACTOR  
CONSEQUENCE ANALYSES PROJECT

DATE AND TIME: Monday, August 21, 2006 - Thursday, August 24, 2006  
8:00 a.m. - 5:00 p.m.

LOCATION: Wyndham Hotel  
2910 Yale Blvd., S.E.  
Albuquerque, N.M. 87106

PURPOSE: To elicit expert opinion on potential MELCOR/MACCS software  
enhancements to support the State-Of-The-Art Reactor Consequence  
Analyses Project.

CATEGORY 1\*: The public is invited to observe this meeting and will have the  
opportunity to communicate with the NRC after the business portion of  
the meeting, but before the meeting is adjourned.

CONTACT: Michele N. Laur, RES  
301-415-5087

Enclosure: Agenda

\* Commission's Policy Statement on "Enhancing Public Participation in NRC Meetings," (67 FR 36920), May 28, 2002

Attendance at this meeting by other than those listed above should be made known by August 14, 2006, by phone or email to the above contact.

PARTICIPANTS: Participants from the NRC include members from the Office of Nuclear Regulatory Research (RES) and the Office of Nuclear Security and Incident Response (NSIR).

NRC

C. Tinkler, RES  
J. Schaperow, RES  
J. Mitchell, RES  
R. Sullivan, NSIR  
et. al.

SNL

R. Gauntt  
S. Burns  
J. Helton  
et. al.

External Panelists

R. Henry (Fauske & Assoc.)  
M. Khatib-Rahbar (Energy Res. Inc.)  
R. Martin (AREVA NP Inc.)  
R. Sanders (ORNL)  
M. Sonnenkalb (GRS)  
V. Mubayi (BNL)  
K. O’Kula (WSMS LLC)  
J. Li (Polestar)

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DATE	08/03/06	08/04/06	08/04/06	08/07/06	08/07/06

## AGENDA

### Monday, August 21, 2006

<u>Time</u>	<u>Topic</u>	<u>Lead by:</u>
8:00 a.m.	Introductions and Welcome	SNL/NRC
8:15 a.m.	MELCOR Panel motivation and ground rules	SNL
8:30 a.m.	SOARCA Program Overview	SNL
9:00 a.m.	SOARCA Reactor Classification	SNL
9:30 a.m.	SOARCA Accident Scenario Description	NRC
10:00 a.m.	Break	
10:30 a.m.	BWR Accident Progression Walk Through	SNL
11:30 a.m.	Break	
1:00 p.m.	PWR Accident Progression Walk Through	SNL
2:00 p.m.	Break	
2:30 p.m.	Review of MELCOR Recommendations	SNL
3:00 p.m.	Open Discussion	All
4:30 p.m.	Opportunity for Public Comment	All
5:00 pm	Adjourn	

### Tuesday, August 22, 2006

<u>Time</u>	<u>Topic</u>	<u>Lead by:</u>
8:00 a.m.	Review motivations and ground rules	SNL/NRC
8:15 a.m.	MELCOR Panel Q&A	SNL
9:00 a.m.	MELCOR Panel deliberations	SNL/NRC
10:00 a.m.	Break	
10:30 a.m.	MELCOR Panel deliberations	SNL/NRC
11:30 a.m.	Break	

Enclosure

1:00 p.m.	MELCOR Panel deliberations	SNL/NRC
2:00 p.m.	Break	
2:30 p.m.	MELCOR Panel outbriefing	
3:30 p.m.	Panel Q&A	All
4:00 p.m.	Opportunity for Public Comment	All
4:30 p.m.	Wrap-up and path forward	SNL
5:00 pm	Adjourn	

Wednesday, August 23, 2006

<u>Time</u>	<u>Topic</u>	<u>Lead by:</u>
8:00 a.m.	Introductions and Welcome	SNL/NRC
8:15 a.m.	MACCS2 Panel motivation and ground rules	SNL
8:30 a.m.	SOARCA Program Overview	SNL
9:00 a.m.	SOARCA Reactor Classification	SNL
9:30 a.m.	SOARCA Accident Scenario Description	NRC
10:00 a.m.	Break	
10:30 a.m.	Dispersion Modeling	SNL
11:00 a.m.	Deposition Modeling	SNL
11:30 a.m.	Break	
1:00 p.m.	Emergency Response Modeling	SNL
2:00 p.m.	Break	
2:30 p.m.	Consequence Modeling	SNL
3:00 p.m.	Review of MACCS2 Recommendations	SNL
3:30 p.m.	MACCS2 Panel Q&A	All
4:30 p.m.	Opportunity for public comment	All
5:00 pm	Adjourn	

Thursday, August 24, 2006

<u>Time</u>	<u>Topic</u>	<u>Lead by:</u>
8:00 a.m.	Review motivations and ground rules	SNL/NRC
8:15 a.m.	MACCS2 Panel deliberations	SNL
10:00 a.m.	Break	
10:30 a.m.	MACCS2 Panel deliberations	SNL/NRC
11:30 a.m.	Break	
12:30 p.m.	MACCS2 Panel Outbrief	
1:00 p.m.	Opportunity for public comment	All
2:00 p.m.	Wrap-up and path forward	All
2:30 p.m.	Adjourn	SNL

**NOTE: Specific topics and associated discussion times may change without notice.**

**CONTACT: Michele N. Laur, RES**  
**301-415-50387, [mnl1@nrc.gov](mailto:mnl1@nrc.gov)**