IMUG Meeting
September 14-15, 2017
Residence Inn (Marriott) Bethesda, MD, USA

Day 1: September 14, 2017

Time	Topic	Presenter
8:00-8:30	Registration	
8:30-9:00	Welcome and Introductions	Mike Weber (NRC)
9:00-10:30	Session 1: MACCS Code Suite Development Status	
	Topic 1 - Accident Analysis Branch Overview	Patricia Santiago (NRC)
	Topic 2 - MACCS Code Development Status (1 of 2)	Nate Bixler (SNL)
	Topic 3 - MACCS Code Development Status (2 of 2)	Nate Bixler (SNL)
10:30-11:00	Break	
11:00-12:00	Session 2: Severe Accident Consequence Modeling Applications	
	Topic 1 - Verification & Validation Documentation for Department of Energy Toolbox	Matt Dennis (SNL), Salman Haq (NRC)
	Topic 2 - State-of-the-Art Reactor Consequence Analyses - Surry Uncertainty Analysis	Tina Ghosh (NRC)
12:00-1:00	Lunch	
1:00-1:30	Session 2 Continued: Severe Accident Consequence Modeling Applications	
	Topic 3 - State-of-the-Art Reactor Consequence Analyses - Sequoyah Analysis	Trey Hathaway and Tina Ghosh (NRC)
1:30-2:30	Session 3: Atmospheric Transport and Dispersion	
	Topic 1 - MACCS-HYSPLIT Atmospheric Transport and Dispersion Model Benchmarking	Dan Clayton (SNL) & Keith Compton (NRC)
	Topic 2 - North America Reanalysis Data for Dispersion Applications and Recent HYSPLIT Updates	Glenn Rolph and Fantine Ngan (NOAA)
2:30-3:00	Break	
3:00-4:30	Session 4: Severe Accident Consequence Modeling	
	Topic 1 - Use of MACCS to Support Dispersion Protocols Options for Department of Energy Nuclear Facility Safety Applications.	Kevin O'Kula
	Topic 2 - Study of Consequences of a Hypothetical Severe Nuclear Accident and Effectiveness of Mitigation Measures	Hayat Chatri (CNSC - Canada)
	Topic 3 - Level 3 PSA in the KHNP SOARCA, Plan and Expected Outcomes	Sung-yeop Kim, Kwang-Il Ahn, Seok-Jung Han (KAERI), Seokwon Hwang, Hyungyo Lee (KHNP-CRI)
4:30-5:00	Closing Remarks	Patricia Santiago (NRC)

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Day 2: September 15, 2017

Time	Topic	Presenter
8:30-10:00	Session 5: Severe Accident Consequence Modeling	
	Topic 1 - Development of a Pre-processor to Convert Source Term and Korean Site-specific Data for MACCS	Sung-yeop Kim, Seung-Cheol Jang, Seok-Jung Han (KAERI)
	Topic 2 - Challenges Using MACCS	Zuzana Korenova (UJD - Slovak Republic)
	Topic 3 - Level 3 Probabilistic Risk Assessment Consequence Analsyis	Keith Compton (NRC)
10:00-10:30	Break	
10:30-12:00	Session 6: Emergency Response Research and Modeling	
	Topic 1 - Evacuation Time Estimate Study	Todd Smith (NRC)
	Topic 2 - Modeling of Emergency Planning	Fotini Walton (SNL)
	Topic 3 - Offsite Response Organization Protective Actions	Tom Park (Cadmus)
12:00-1:00	Lunch	
1:00-2:00	Session 7: Economic Consequences	
	Topic 1 - Cost-Benefit Analysis - NRC Staff Guidance Updates	Amy Sharp, Tina Ghosh (NRC)
	Topic 2 - MACCS Alternative Economic Consequence Model	Amy Sharp (NRC)
2:00-3:00	Session 8: Recent Benchmarking of Consequence Models	
	Topic 1 - Source Term and Atmospheric Transport and Dispersion Modeling of the Fukushima Daiichi Accident	Nate Bixler (SNL)
	Topic 2 - Verification and Validation of MACCS ATMOS Model	Matt Dennis (SNL)
3:00-3:15	Closing Remarks	Patricia Santiago (NRC)