September 9, 2004

MEMORANDUM TO: Farouk Eltawila, Director Division of Systems Analysis and Regulatory Effectiveness Office of Nuclear Regulatory Research THRU: /RA/ Jack Rosenthal, Chief Safety Margins and Systems Analysis Branch Division of Systems Analysis and Regulatory Effectiveness Office of Nuclear Regulatory Research FROM: Richard Lee, Team Leader /RA/ Fuel and Source Term Team Safety Margins and Systems Analysis Branch Division of Systems Analysis and Regulatory Effectiveness Office of Nuclear Regulatory Research SUBJECT: NOTICE OF A PUBLIC MEETING ON MAAP4 INFORMATION MEETING DATE AND TIME: September 22, 2004 9:00 a.m. - 5:00 p.m. LOCATION: Ramada Inn 1175 Rockville Pike Rockville, MD 20852 PURPOSE: To present information on MAAP4, and comparison of MAAP4 against other codes. PARTICIPANTS: Jeff Gabor, MAAP User Group Steering Committee Chairman Karen Vierow, Purdue Marc Kenton, Creare Robert Henry, Fauske NRC/NRR and NRC/RES staff CATEGORY 2: This meeting is category 2 public meeting*. The public is invited to participate in this meeting to observe the MAAP4 information exchange. This meeting is not intended to solicit feedback and comments. *Meetings between the NRC technical staff and external stakeholders are open

*Meetings between the NRC technical staff and external stakeholders are open for interested members of the public, petitioners, interveners, or other parties to attend as observers pursuant to "Commission Policy Statement on Staff Meeting Open to the Public," 67 *Federal Register* 36920, May 28, 2002.

MEETING CONTACT: Richard Lee, tel. (301) 415-6795, e-mail <u>RYL@NRC.GOV</u>

Attachment: Agenda

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- THRU: Jack Rosenthal, Chief /**RA**/ Safety Margins and Systems Analysis Branch Division of Systems Analysis and Regulatory Effectiveness Office of Nuclear Regulatory Research
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Att	achment: Age	enda								
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Attachment

	September 22, 2004							
	Subject	Presenter						
•	 Opening remarks. (Goals of the MAAP4 Information Exchange Meeting.) MUG perspective. NRC perspective. 	MUG NRC						
•	 Outline the Structure for MAAP4 Information Exchange Meetings. Present results for PRA relevant sequences – typically one sequence type discussed at each meeting (i.e. one BWR sequence and one PWR sequence). For example: Station blackout. Small break LOCA. Loss of heat sink. Feed-and-bleed. ATWS. Etc. Comparisons of MAAP4 for the selected PRA sequence with the following (where applicable): Relevant plant experience. Relevant experiments. 	MUG						
	* Other code calculations* Relevant hand calculations.	MUG						
•	 MAAP4 calculations for the Manshaan station blackout. Comparisons with the plant behavior. Comparisons with the MELCOR evaluations. Sensitivity analyses. Technical basis for important MAAP4 models. Lessons learned from the MAAP4 comparison. 							
•	Comparison of MELCOR, MAAP4 and SCDAP/RELAP for PWR Station Blackout Calculations.	Karen Vierow Marc						
•	Influence of MAAP4 models bypassed for the MELCOR and SCDAP/RELAP Comparison.	Kenton						
•	 Use of MAAP4 results for station blackout-like sequences, i.e. what is sufficient. MUG perspective. NRC RES perspective. Open discussion related to the use of MAAP4 for station blackout-like sequences 	MUG NRC All						
•	sequences. Outline of the PRA relevant sequence to be used for the next MAAP4 Information Exchange Meeting, including an open discussion on what comparisons would be helpful.	All						
•	Adjourn.							
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<u>AGENDA</u> <u>MAAP4 Information Exchange Meeting</u> September 22, 2004