

September 9, 2004

MEMORANDUM TO: Farouk Eltawila, Director  
Division of Systems Analysis and Regulatory Effectiveness  
Office of Nuclear Regulatory Research

THRU: Jack Rosenthal, Chief /RA/  
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 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 [RYL@NRC.GOV](mailto:RYL@NRC.GOV)

Attachment: Agenda

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DATE	09/09/04*		09/09/04*	

Attachment

**AGENDA**  
**MAAP4 Information Exchange Meeting**  
**September 22, 2004**

<b>Subject</b>	<b>Presenter</b>
<ul style="list-style-type: none"> <li>• Opening remarks. (Goals of the MAAP4 Information Exchange Meeting.)               <ul style="list-style-type: none"> <li>- MUG perspective.</li> <li>- NRC perspective.</li> </ul> </li> </ul>	<p>MUG NRC</p>
<ul style="list-style-type: none"> <li>• Outline the Structure for MAAP4 Information Exchange Meetings.               <ul style="list-style-type: none"> <li>- 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:                   <ul style="list-style-type: none"> <li>* Station blackout.</li> <li>* Small break LOCA.</li> <li>* Loss of heat sink.</li> <li>* Feed-and-bleed.</li> <li>* ATWS.</li> <li>* Etc.</li> </ul> </li> <li>- Comparisons of MAAP4 for the selected PRA sequence with the following (where applicable):                   <ul style="list-style-type: none"> <li>* Relevant plant experience.</li> <li>* Relevant experiments.</li> <li>* Other code calculations</li> <li>* Relevant hand calculations.</li> </ul> </li> </ul> </li> </ul>	<p>MUG</p> <p>MUG</p>
<ul style="list-style-type: none"> <li>• MAAP4 calculations for the Manshaan station blackout.               <ul style="list-style-type: none"> <li>- Comparisons with the plant behavior.</li> <li>- Comparisons with the MELCOR evaluations.</li> <li>- Sensitivity analyses.</li> <li>- Technical basis for important MAAP4 models.</li> <li>- Lessons learned from the MAAP4 comparison.</li> </ul> </li> </ul>	<p>MUG</p>
<ul style="list-style-type: none"> <li>• Comparison of MELCOR, MAAP4 and SCDAP/RELAP for PWR Station Blackout Calculations.</li> </ul>	<p>Karen Vierow</p>
<ul style="list-style-type: none"> <li>• Influence of MAAP4 models bypassed for the MELCOR and SCDAP/RELAP Comparison.</li> </ul>	<p>Marc Kenton</p>
<ul style="list-style-type: none"> <li>• Use of MAAP4 results for station blackout-like sequences, i.e. what is sufficient.               <ul style="list-style-type: none"> <li>- MUG perspective.</li> <li>- NRC RES perspective.</li> <li>- Open discussion related to the use of MAAP4 for station blackout-like sequences.</li> </ul> </li> </ul>	<p>MUG NRC All</p>
<ul style="list-style-type: none"> <li>• 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.</li> </ul>	<p>All</p>
<ul style="list-style-type: none"> <li>• Adjourn.</li> </ul>	