

Jan. 27, 2005

**PROPOSED DRAFT AGENDA  
U.S. ENVIRONMENTAL PROTECTION AGENCY  
SCIENCE ADVISORY BOARD  
REGULATORY ENVIRONMENTAL MODELING (REM) GUIDANCE REVIEW PANEL  
SAB Conference Room 3705  
1025 F Street, NW  
Washington, D.C. 20004**

Purpose of Meeting : The purpose of this public meeting is to provide advice on the EPA'S *Draft Guidance*, entitled "*Draft Guidance on the Development, Evaluation, and Application of Regulatory Environmental Models*," dated November 2003, and *Models Knowledge Base*, respond to the charge questions, and prepare a SAB draft report.

**Monday, February 7, 2005:**

9:00 a.m.	Convene the Meeting	Dr. K. Jack Kooyoomjian, <i>Designated Federal Officer (DFO)</i> <i>SAB Staff Office</i>
9:10 a.m.	Welcoming Remarks	Dr. Vanessa Vu, <i>Director, SAB Staff Office</i>
9:15 a.m.	Introductory Remarks, Review of the Agenda and Introduction of Panelists and Guests	Dr. Thomas L. Theis, <i>Chair, REM Guidance Review Panel</i>
9:20 a.m.	A Perspective on EPA's Regulatory and Science Needs for <i>Modeling Guidance and the Models Knowledge Base</i>	Dr. Gary Foley, <i>Director, NERL/ORD and Chair, CREM</i>
	Overview of EPA's <i>Draft Guidance</i> Presentation of Examples to Illustrate the Modeling Principles Embodied in the <i>Draft Guidance</i>	Mr. Pasky Pascual, ORD Dr. Elsie Sunderland, ORD & Others, TBA

*Day 1: Continued:*

10:00 a.m.	Perspectives of Users of CREM <i>Draft Guidance</i> : a) Office of Air and Radiation (OAR) Perspectives - <b><i>“OAR &amp; The CREM Modeling Guidelines,”</i></b> and b) Office of Water (OW) Perspectives <b><i>“TMDL Modeling Overview”</i></b>	OAR, Mr. Peter Tsirigotis, Dir. of EMAD, OAQPS/OAR/RTP & OW, Ms. Lauren McWilliams (OW/OST/SHPD), Mr. Jim Pendergast (Chief, MHPB) and Mr. Douglas (Doug) Norton, (OW/OWOW/AWPD) & Panel
<b>10:30 a.m.</b>	<b>BREAK</b>	
10:45 a.m.	Continued Discussion on OAR and OW Perspectives	OAR & OW Staff & Panel
11:15 a.m.	Perspectives of Users of CREM <i>Draft Guidance</i> : c) Office of Pollution Prevention and Toxic Substances (OPPTS) Perspectives- <b><i>“Cross Verification of Three Independent Models,”</i></b> and d) Office of Solid Waste and Emergency Response (OSWER) Perspectives - <b><i>“Using Models to Support Hazardous Waste Cleanup Programs.”</i></b>	OPPTS/OPP/HED , Mr. Alan Dixon OSWER/OSRTI, Dr. Larry Zaragoza & Panel
12:15 p.m.	<b>LUNCH</b>	
1:15 p.m.	Perspectives of Users of CREM <i>Draft Guidance</i> : e) EPA Region 5 - <b><i>“Modeling in EPA Region 5”</i></b> , and f) EPA Region 10 - <b><i>“Columbia River Temperature Model”</i></b>	Region 5 Dr. Mary White, Ecologist, OSEC & Region 10, Mr. Ben Cope, Environmental Engineer, OEA (via Conf Call) & Panel
2:15 p.m.	Public Comments: The Interested Public	Dr. Kooyoomjian, <i>DFO</i> as facilitator

*Day 1: Continued:*

2:45 p.m.	<i>Models Knowledge Base</i> Charge Question #7 Discussion Pertaining to the three (3) Illustrative Models and Rationale for Selection of <i>Aquatox</i> , <i>Integrated Planning Model</i> and an Air Model (not yet specified) for Illustrative Purposes	Mr. Pasky Pascual (ORD/NERL), Agency Staff Presenters TBA & Panel
3:45 p.m.	Continued Discussion on <i>Models Knowledge Base</i> Charge Questions and Perspectives of Agency Staff	Presenters TBA & Panel
4:30 pm	Panel Discussion of the <i>Draft Guidance, Models Knowledge Base</i> , Illustrative Modeling Examples, and Presentations, Discussion of Pre-Meeting Written Materials, and Organizing to Prepare Panel's Draft Report: Composition of Working Groups for: <u>Charge Question 1: (<i>Best Practices</i>)</u> [Dr. DePinto (lead) & Drs. Brown, Maddalena, & Wetzel] <u>Charge Question #2: (<i>Goals &amp; Methods</i>)</u> [Dr. Brown (lead), & Drs. DePinto, D. Smith, & J. Smith] <u>Charge Question #3: (<i>Graded Approach</i>)</u> [Dr. Middleton (lead), & Drs. Fabryka-Martin, Heeringa, and J. Smith] <u>Charge Question #4: (<i>Practical Advice for Decision-Makers</i>)</u> [Mr. Merrill, & Drs. Georgopoulos, Heeringa, Middleton & Small] <u>Charge Question #5: (<i>Identification &amp; Structure of Optimal Set of Information for All Users</i>)</u> [Dr. Small (lead), & Drs. Fabryka-Martin, Middleton, & Wilcoxen] <u>Charge Question #6: (<i>Data Dictionary &amp; Data Structure</i>)</u> [Dr. D. Smith (lead), & Drs. Georgopoulos, Hope & Krupnick] <u>Charge Question # 7: (<i>Quality of Information Provided About the Models</i>)</u> [Dr. Maddalena, Overall Lead, & Drs. DePinto, Fabryka-Martin, Georgopoulos, Hope, Krupnick, J. Smith & Wilcoxen - see below for details on assignments for each illustrative model.]	Dr. Thomas L. Theis , <i>Chair</i> & Panelists



Day #2:

**Tuesday, February 8, 2005:**

8:30 a.m.	Reconvene Panel	Dr. Kooyoomjian, <i>DFO</i>
	Planning Expectations for the Day's Activities	Dr. Theis, <i>Chair</i>
	Recap, Discussion of Panel Assignments, and Preparation for Work Group Writing/Break-out Sessions	Panel
8:45 a.m.	Panel Discussion of Response to Charge Questions 1-7	Panel
9:30 a.m.	Group Discussion Session: Includes Discussion of Overall Approach in Response to Charge Questions 1-7, Review and Revision of Pre-Meeting Draft Materials, Writing of New Materials and Working Group Discussions	Panel
10:30 a.m.	<b>BREAK</b>	
10:45 a.m.	Writing Break-Out Session	Panel
<b>12:00 noon</b>	<b>LUNCH</b>	
10:45 a.m.	Re-Convene Writing Break-Out Session:	Panel
<b>3:15 p.m.</b>	<b>BREAK</b>	
3:30 p.m.	Re-Convene Writing Break-Out Session:	Panel
5:30 p.m.	<b>Adjourn Day 2</b>	

Day #3:

**Wednesday, February 9, 2005:**

8:30 a.m.	Reconvene Panel	Dr. Kooyoomjian, <i>DFO</i>
	Planning Expectations for the Day's Activities	Dr. Theis, <i>Chair</i>
	Presentation of Highlights from the Panel Work Group Writing/Break-out Sessions	Panel
8:45 a.m.	Continuance of Writing/Break-out Sessions	Panel
<b>10:30 a.m.</b>	<b>BREAK</b>	
10:45 a.m.	Continuance of Writing/Break-out Sessions	Panel
11:45 a.m.	Reconvene Panel	Dr. Theis, <i>Chair</i>
12:15 p.m.	Overview of Panel's Observations, Findings and Preliminary Recommendations to Agency Staff: Includes "Round-the- Table" Individual (non-Consensus Comments) of Each Panelist, and Open Discussion	Dr. Theis, <i>Chair</i> & Panel as Individuals
12:45 a.m.	Summary of Recommendations, Action Items, and Next Steps, Including Proposed Teleconference Schedule for Review & Closure	Dr. Theis, <i>Chair</i>
12:55 a.m.	Concluding Remarks	Dr. Theis, <i>Chair</i>
1:00 p.m.	<b>Adjourn the Meeting</b>	Dr. Kooyoomjian, <i>DFO</i>

**NOTE:** For further information concerning this meeting, please refer to information related to the REM Guidance Review Panel activity which is posted on the EPA Science Advisory Board Website at: <http://www.epa.gov/sab>. The REM Guidance Review Panel plans to re-write pre-meeting written comments, and discuss the issues as a group in order to move toward consensus on as many issues as possible during the conduct of this face-to-face meeting.

**Document Availability:** Readers who wish to be introduced to the substance of this review may find the review documents at: <http://www.epa.gov/crem/sab>. Additional background information is also posted at the EPA's CREM site: <http://www.epa.gov/crem>. Additional information can also be found on the Science Advisory Board website at [www.epa.gov/sab/](http://www.epa.gov/sab/).

**GLOSSARY:**

AWPD -	Assessment and Watershed Protection Division (U.S. EPA/OW/OWOW/AWPD)
CREM -	Council on Regulatory Environmental Models
DFO -	Designated Federal Officer
EMAD -	Emissions Monitoring & Analysis Division (EMAD)/OAQPS/OAR/RTP
EPA -	U. S. Environmental Protection Agency (U.S. EPA)
HED -	Health Effects Division (U.S. EPA/OPPTS/OPP/HED)
MHPB -	Modeling and Health Protection Branch (U.S. EPA/OW/OST/SHPD/MHPB)
NERL -	National Exposure Research Laboratory (U.S. EPA/ORD/NERL)
OAQPS -	Office of Air Quality Planning and Standards (U.S. EPA/OAQPS)
OAR -	Office of Air & Radiation (U.S. EPA/OAR)
OEA -	Office of Environmental Assessment (U.S. EPA/OEA, Region 10)
OPP -	Office of Pesticide Programs (U.S. EPA/OPPTS/OPP)
OPPTS -	Office of Pollution Prevention and Toxic Substances (U.S. EPA/OPPTS)
ORD -	Office of Research and Development (U.S. EPA/ORD)

OSEC -	Office of Science, Ecosystems and Communities (U.S. EPA /OSEC, Region 5)
OSRTI -	Office of Superfund Remediation and Technology Innovation (U.S. EPA/OSWER/OSRTI)
OST -	Office of Science and Technology (U.S. EPA/OW/OST)
OSWER -	Office of Solid Waste and Emergency Response (U.S. EPA/OSWER)
OSW -	Office of Solid Waste (U.S. EPA/OSW)
OW -	Office of Water (U.S. EPA/OW)
OWOW -	Office of Wetlands, Oceans, and Watersheds (U.S. EPA/OW/OWOW)
REM	Regulatory Environmental Modeling
REMRP -	Regulatory Environmental Modeling Review Panel
RTP -	Research Triangle Park
SAB -	Science Advisory Board (of the U.S. EPA)
SHPD -	Standards and Health Protection Division (U.S. EPA/OW/OST/SHPD)
TBA -	To Be Arranged
TMDL -	Total Maximum Daily Load