

**U.S. ENVIRONMENTAL PROTECTION AGENCY
SCIENCE ADVISORY BOARD
Ecological Processes and Effects Committee Augmented for the
Review of Nutrient Criteria Guidance
Public Meeting, September 9-11, 2009**

**Marriott at Metro Center Hotel
775 12th Street, N.W., Washington, D.C. 20005**

AGENDA

Wednesday, September 9, 2009

- 9:00 - 9:10 a.m. **Meeting Convened by the Designated Federal Officer**
Dr. Thomas Armitage
- Welcoming Remarks**
Dr. Anthony Maciorowski, Deputy Director
EPA Science Advisory Board Staff Office
- 9:10 - 9:20 a.m. **Purpose of the Meeting and Review of Agenda**
Dr. Judith Meyer, Chair
- 9:20 - 10:05 a.m. **Overview of EPA Activities to Develop Water Quality
Criteria for Nutrients -- Historical Perspective and Future
Direction**
Dr. Edward Ohanian, Director, Health and Ecological Criteria
Division, EPA Office of Water
- Dr. Dana Thomas, EPA Office of Water
- 10:05 - 11:00 a.m. **Review of Empirical Approaches for Nutrient
Criteria Derivation Presented in EPA's Draft Guidance
Document**
Dr. Dana Thomas, EPA Office of Water
- Dr. Lester Yuan, EPA Office of Research and Development
- Dr. John Paul, EPA Office of Research and Development
- 11:00 - 11:15 a.m. **BREAK**
- 11:15 a.m. - 12:00 noon **Public Comments**

- 12:00 noon - 1:00 p.m. **LUNCH**
- 1:00 - 3:00 p.m. **Public Comments (Continued)**
- 3:00 - 3:15 p.m. **BREAK**
- 3:15 - 4:30 p.m. **Committee Discussion of Selecting Stressor and Response Variables, and Assessing the Strength of the Cause-Effect Relationship (response to charge questions 2 and 4)**
Lead Discussants: Dr. Patrick Mulholland, Dr. Mark David, Dr. Fred Benfield, and Dr. Victor Bierman
- 4:30 - 5:45 p.m. **Committee Discussion of Methods for Analyzing the Data (response to charge question 5)**
Lead Discussants: Dr. Douglas McLaughlin, Dr. Loveday Conquest, Dr. Elizabeth Boyer, Dr. Richelle Allen-King, and Dr. Ivor van Heerden
- 5:45 p.m. **Recess for Day**

Thursday, September 10, 2009

- 8:15 - 8:45 a.m. **Committee Discussion of Methods for Analyzing the Data (response to charge question 5) Continued**
- 8:45 - 10:00 a.m. **Committee Discussion of Methods to Visualize Available Data (response to charge question 3)**
Lead Discussants: Dr. Victor Bierman, Dr. Allen Burton, Dr. James Oris, Dr. Patrick Mulholland, and Dr. Ivor van Heerden
- 10:00 - 10:15 a.m. **BREAK**
- 10:15 - 11:15 a.m. **Committee Discussion of Evaluating Estimated Stressor-Response Relationships (response to charge question 6)**
Lead Discussants: Dr. Elizabeth Boyer, Dr. Loveday Conquest, Dr. James Oris, Dr. Douglas McLaughlin, and Dr. James Sanders
- 11:15 a.m. - 12:15 p.m. **Committee Discussion of Methods for Evaluating Candidate Stressor-Response Criteria (response to charge question 7)**
Lead Discussants: Dr. Andrew Sharpley, Dr. Wayne Landis, Dr. Peter Chapman, Mr. Timothy Thompson, and Dr. Fred Benfield
- 12:15 - 1:15 p.m. **LUNCH**

- 1:15 - 2:30 p.m. **Committee Discussion of Suggestions to Improve the Utility of EPA's Draft Guidance for Deriving Numeric Nutrient Criteria (response to charge question 1)**
Lead Discussants: Dr. Amanda Rodewald,
Mr. Timothy Thompson, Dr. James Sanders, Dr. Wayne Landis, and Dr. Ingrid Burke
- 2:30 - 5:00 p.m. **Writing Session by Committee Subgroups**
- 5:00 p.m. **Recess for the Day**

Friday, September 11, 2009

- 8:30 - 10:00 a.m. **Discussion of Key Points in Response to the Charge Questions (1-7)**
Dr. Judith Meyer and Committee
- 10:00 - 10:15 a.m. **BREAK**
- 10:15 - 11:00 a.m. **Discussion (continued)**
Dr. Judith Meyer and Committee
- 11:00 - 11:50 a.m. **Summary of Major Recommendations**
Dr. Judith Meyer and Committee
- 11:50 a.m. - 12:00 noon **Meeting Summary and Next Steps**
Dr. Judith Meyer
- 12:00 noon **Adjourn**