

EPA SCIENCE ADVISORY BOARD
Aquatic Life Criteria Guidelines Consultative Panel
SAB Conference Center
1025 F Street, N.W., Suite 3705, Washington, D.C. 20004

September 21, 2005, Public

PRELIMINARY AGENDA

- 8:30 - 8:40 a.m. **Meeting Convened by the Designated Federal Officer**
Dr. Thomas Armitage
- 8:40 - 8:45 a.m. **Welcoming Remarks**
Dr. Vanessa Vu, Director, EPA Science Advisory Board
Staff Office
- 8:45 - 8:55 a.m. **Purpose of the Meeting and Review of Agenda**
Dr. Kenneth Dickson, Chair
- 8:55 – 9:20 a.m. **Planned Activities and Overview of Proposed Revision of
EPA’s Aquatic Life Criteria Guidelines**
Dr. Edward Ohanian, Director, Health and Ecological Criteria
Division, EPA Office of Water

Dr. Tala Henry, EPA Office of Water
- 9:20 – 10:00 a.m. **Panel Discussion of Scope of Framework for Revising Aquatic
Life Criteria Guidance**
Lead Discussants: Dr. Charles Hawkins, Dr. Judith Meyer, Dr.
Michael Newman, and Dr. William Stubblefield
- Charge Question 1.1: Please comment on the use of the Guidelines
for Ecological Risk Assessment as an essential and relevant
organizing framework for development of science-based criteria
for the protection of aquatic life and aquatic-dependent wildlife.
Does the SAB have any specific recommendations on how to
improve or clarify the generic conceptual framework diagram?
- Charge Question 1.2: Please comment on whether the proposed
criteria types and scientific focus for each criteria type are logical
and scientifically valid for developing a holistic and integrated
criteria framework.
- 10:00 – 10:15 **BREAK**

- 10:15 – 10:45 a.m. **Proposed Revisions for Deriving Water-Based Criteria**
Mr. Charles Delos, EPA Office of Water
Dr. Russell Erickson, EPA Office of Research and Development
- 10:45 – 12:15 p.m. **Panel Discussion of Proposed Revisions for Deriving Water-Based Criteria**
Lead Discussants: Dr. Joseph Meyer, Dr. Michael Newman, Mr. Robin Reash, Dr. William Stubblefield, and Dr. Daniel Schlenk
- Charge Question 2.1: Please comment on whether the kinetic toxicity models being considered by the EPA are scientifically appropriate for use in deriving water-based criteria.
- Charge Question 2.2: Please comment on whether the population models being considered by EPA are scientifically appropriate for use in deriving water-based criteria.
- Charge Question 2.3: Please comment on whether the proposal for aggregating effects across species being considered by EPA is scientifically appropriate for use in deriving water-based criteria.
- Charge Question 2.4: Please comment on whether the framework being considered by EPA for deriving water-based criteria is scientifically appropriate for use in deriving the criteria.
- 12:15 – 1:00 p.m. **LUNCH**
- 1:00 – 1:30 p.m. **Public Comments**
- 1:30 – 1:45 p.m. **Proposed Revisions for Deriving Tissue Based Aquatic Life Criteria**
Mr. Keith Sappington, EPA Office of Research and Development
- 1:45 – 2:00 p.m. **Proposed Revisions for Deriving Tissue Based Wildlife Criteria**
Dr. Richard Bennett, EPA Office of Research and Development
- 2:00 – 3:30 p.m. **Panel Discussion of Proposed Revisions for Tissue-Based Criteria**
Lead Discussants: Dr. John Connolly, Dr. Frank Gobas, Dr. Christian Grue, Dr. Michael Hooper, and Dr. Lynn McCarty
- Charge Question 3.1: Please comment on the rationale and conceptual approach used for the development of tissue-based criteria for this group of chemicals. Is the SAB aware of other approaches for deriving criteria for these bioaccumulative chemicals that EPA should consider?

Charge Question 3.2: Considering the strengths and limitations of the more flexible approach used to derive tissue-based criteria, please comment on the rationale and preference for allowing flexibility in the procedures used.

Charge Question 3.3: Please comment on the rationale used by EPA for determining if/when to use population modeling in the development of Tissue-Based criteria.

3:30 – 3:45

BREAK

3:45 – 4:00 p.m.

Proposed Revisions for Deriving Taxon-Specific Criteria

Ms. Trish Rider, EPA Office of Water

Dr. Thomas Augspurger, U.S. Fish and Wildlife Service

4:00 – 5:00 p.m.

Panel Discussion of Proposed Revisions for Taxon-Specific Criteria

Lead Discussants: Dr. Charles Hawkins and Dr. Judith Weis

Charge Question 4.1: Please comment on the considerations for problem formulation outlined in the proposed framework for deriving Taxon-specific Criteria, specifically whether it will lead to scientifically-defensible numeric criteria.

Charge Question 4.2: Of the approaches outlined for addressing surrogacy and gap analyses with regard to special status species, are there improvements to these tools that would provide more scientifically-defensible numeric criteria where specific data are not available? Are these tools adequate for developing scientifically-defensible numeric criteria? What other tools are available to provide more scientifically-defensible criteria when there is an absence of toxicological data for a specific pollutant and taxon?

5:00 – 5:15 p.m.

Summary of the Discussion

Dr. Kenneth Dickson, Chair

5:15 p.m.

Adjourn