



## Stakeholder Meeting on EPA's Development of New or Revised Recreational Water Quality Criteria



June 14-15, 2011

*Clean waters are the goal. Sound science takes us there.*

### AGENDA

#### Meeting purpose:

- Provide an open stakeholder forum to discuss EPA's development of new or revised recreational water quality criteria.
- Provide an update on EPA's evaluation, synthesis, summarization and statistical analysis of research conducted.
- Present options for the overall structure and content of criteria.
- Seek stakeholder feedback on analysis of research and on the structure and content of the criteria.

#### Tuesday, June 14

**8:30–8:50**

#### **Welcome/Kickoff**

Ellen Gilinsky, Senior Policy Advisor, Office of Water, USEPA

**8:50–9:05**

#### **Meeting Purpose & Logistics**

Jan Connery, ERG, Facilitator

**9:05–9:30**

#### **General Direction of New Criteria**

Grace Robiou, USEPA

*Brief history on 1986 criteria and current criteria development process; key issues and current thinking on new/revised criteria; and timeline for criteria and implementation guidance development.*

#### **Epidemiological Studies**

**9:30–10:45**

#### **Summary of Research Findings**

Tim Wade, USEPA

*Review of epidemiological research conducted by EPA: description of study design/approach, studies and analyses conducted, and results.*

**10:45–11:00**

#### **Break**

**11:00–12:00**

#### **Status of EPA's Evaluation and Current Thinking for New Criteria**

John Ravenscroft, USEPA

*Discuss options for deriving the new/revised criteria based on EPA and non-EPA research and current thinking for deriving criteria as protective as current criteria.*

**12:00–12:45**

#### **Stakeholder Input and Feedback**

Jan Connery, ERG, Facilitator

**12:45–2:00**

#### **Lunch (on your own)**

## Analytical Methods

- 2:00–3:15**     **Summary of Research Findings**  
Kevin Oshima, USEPA  
*Review of analytical methods research conducted by EPA: methods tested; interference/inhibition issues encountered and how these issues will be addressed; results from the qPCR fate and transport research, archive sample and storage reanalysis research, and single/multi-lab validation studies.*
- 3:15–3:30**     **Break**
- 3:30–4:15**     **Status of EPA’s Evaluation and Current Thinking for New Criteria**  
John Ravenscroft, USEPA  
*Describe the role of culture and qPCR methods in the new criteria.*
- 4:15–5:00**     **Stakeholder Input and Feedback**  
Jan Connery, ERG, Facilitator
- 5:00–5:15**     **Wrap up/Overview of Agenda for Tomorrow**  
Jan Connery, ERG, Facilitator

## Wednesday, June 15

- 8:15–8:30**     **Recap of Meeting Purpose, Logistics**  
Jan Connery, ERG, Facilitator

## Predictive Models

- 8:30–9:00**     **Summary of Research Findings**  
Richard Zepp, USEPA  
*Describe research conducted to refine and validate Virtual Beach Model Builder tool and briefly describe other available predictive models.*
- 9:00–9:30**     **Status of EPA’s Evaluation and Current Thinking for New Criteria**  
Denise Hawkins, USEPA  
*Describe the role of predictive models in the new criteria.*
- 9:30–9:50**     **Stakeholder Input and Feedback**  
Jan Connery, ERG, Facilitator

## Site-specific criteria and incorporation of new technologies

- 9:50–10:30**     **Summary of Research Findings**  
John Ravenscroft, USEPA  
*Describe the agricultural animal Quantitative Microbial Risk Assessment (QMRA) and sanitary survey research and results.*
- 10:30–10:45**     **Break**
- 10:45–11:15**     **Status of EPA’s Evaluation and Current Thinking for New Criteria**  
Tracy Bone, USEPA  
*Describe approach, opportunities, and challenges under new/revised criteria for states to develop site-specific criteria.*
- 11:15–11:35**     **Stakeholder Input and Feedback**  
Jan Connery, ERG, Facilitator
- 11:35–12:50**     **Lunch (on your own)**

## Expression of the Criteria

**12:50–1:20**

### **EPA’s Current Thinking for New Criteria**

Shari Barash, USEPA

*Describe components of current criteria (i.e., single sample maximum [SSM] and geometric mean), new approaches considered for expressing new/revised criteria, and how expression of new criteria will address concerns with the 1986 criteria.*

**1:20 – 1:45**

### **Stakeholder Input and Feedback**

Jan Connery, ERG, Facilitator

**1:45–2:45**

### **Open Forum**

Jan Connery, ERG, Facilitator

**2:45–3:00**

### **Closing Remarks**

Grace Robiou, USEPA