

# Use Attainability Analyses (UAAs): Beyond the Basics

## *A Web Seminar Series*

Brought to you by:  
National Association of Clean Water Agencies  
Water Environment Research Foundation

### Session 1: Wednesday, June 28, 2:00 - 3:30 p.m. eastern time

#### **Welcome and Introductions**

Alexandra Dapolito Dunn, NACWA  
Margaret Stewart, WERF

#### **Why Do UAAs Matter?**

John Spencer, CH2MHill

#### **The UAA Process**

Tom Dupuis, CH2M HILL

- A. Water Quality Standards
- B. The Regulatory Factors for UAAs
- C. Understanding Relationships Between Uses and Criteria
- D. Integration and Timing with Other Regulatory Programs
- E. Economic Considerations
- F. Case Study: Oregon & Washington (*Handbook*, p. 13)

#### **Conducting a UAA for Aquatic Life Designated Uses**

Sherrill Doran, CH2M HILL

- A. Naturally Occurring Pollutant Concentrations
- B. Natural, Ephemeral, Intermittent, or Low Flow Conditions
- C. Human-Caused Conditions
- D. Dams, Diversions, or Other Types of Hydrological Modifications
- E. Physical Conditions
- F. Case Study: Chesapeake Bay UAA (*Handbook*, p. 47)

#### **Conducting a UAA for Uses Related to Human Health**

Bill McMillin, CH2M HILL

- A. Naturally Occurring Pollutant Concentrations
- B. Natural, Ephemeral, Intermittent, or Low Flow Conditions
- C. Human-Caused Conditions
- D. Dams, Diversions, or Other Types of Hydrological Modifications
- E. Case Study: Kansas Recreational UAAs (*Handbook*, p. 58)

#### **Live Q&A**

Moderator: Margaret Stewart, WERF

#### **Adjourn**

## Session 2: Wednesday, July 12, 2:00 - 3:30 p.m. eastern time

### **Welcome and Introductions**

Alexandra Dapolito Dunn, NACWA  
Margaret Stewart, WERF

### **Stakeholder Involvement**

Linda MacPherson, CH2M HILL

- A. Stakeholder and Community Readiness Decision Process
- B. Identifying and Understanding Your Stakeholders
- C. Identifying Areas for Stakeholder Education
- D. Vocabulary and Project Descriptions
- E. Case Study: New York City UAA (*Handbook*, p. 23)

### **Legal Considerations**

Lori A. Terry, Foster Pepper

- A. Legal Strategies for UAAs
- B. Antidegradation
- C. Antibacksliding
- D. Protection of Downstream and Other States' Water Quality Standards
- E. Case Study: Spokane UAA (*Handbook*, p. 28, 49)

### **Applications of Particular Interest**

Sherrill Doran, CH2M HILL

- A. Wet Weather Situations
- B. Modified Urban Environments
- C. Effluent-Dominated Waters
- D. Ephemeral and Intermittent Waters
- E. Case Study: Chicago Area Waterways UAA (*Handbook*, p. 48)

### **UAA Alternatives**

Tom Dupuis, CH2M HILL

- A. Site-Specific Criteria
- B. Translators
- C. Adaptive Management
- D. Variances
- E. Natural Background Conditions Clause
- F. Water Quality Credit Trading and Offsets
- G. Changing Point-of-Compliance
- H. Mixing Zone Studies
- I. Revisiting Instream Low Flow Assumptions
- J. Case Study: Tualatin River Credit Trading (*Handbook*, p. 89)

### **Live Q&A**

Moderator: Alexandra Dunn, NACWA

### **Adjourn**