

SMART FROM THE START – ADDRESSING WICKED PROBLEMS AT CONTAMINATED SEDIMENT SITES

NEW TECHNIQUES AND LESSONS LEARNED

Chicago, IL Downtown Wyndam Hotel, Ontario Room

Principles

- Practical advice on relevant issues
- Beyond Introductory... Evaluating complex problems that plague real sites
- Focus on select technical issues rather than describing all issues in lesser detail

Primary Messages to Audience

- Focus data collection to develop a Conceptual Site Model that supports remedy selection
- Select remedies based on site conditions in light of 7 NCP criteria
- Leverage RI data and develop long-term monitoring data to document remedy effectiveness

Daily Schedule:

Start - 8:30

One hour lunch, 15 minute morning and afternoon breaks

Adjourn – 5:00

Day 1

I – Overview

Lead: Steve Ells, EPA HQ

8:30 – 8:45	Introductions, Scope, and Purpose
8:45 – 9:10	Streamlining the RI/FS, Steve Ells EPA HQ
9:10 – 9:20	Discussion
9:20 – 9:40	Focusing the RI/FS at Sediment Sites, Kymberlee Keckler, EPA Region 1 RPM
9:40 – 9:50	Discussion
9:50 – 10:15	Open dialogue among instructors and participants

10:15-10:30 - Break

II - Site Characterization

Lead: Paul Schroeder, US ACE - ERDC

Purposes, requirements, and implementation of RIs at sediment sites; emphasize sediment-specific media, receptors, and technologies

10:30 – 10:35	Session Introduction
10:35 – 10:55	Sampling design considerations (Eric Blischke, CDM)
10:55 – 11:05	Discussion
11:05 – 11:30	Site characterization to support remedy selection (Paul Schroeder)
11:30 – 11:40	Discussion

11:40 – 12:05 What chemical measures are relevant? (Paul Schroeder)
12:05 – 12:15 Discussion

12:15 – 01:15 - Lunch

1:15 – 1:45 Toxicity testing: what works, where, why (Don MacDonald, USGS; Chris Ingersoll, USGS; Jeff Steevens, ERDC)
1:45 – 2:00 Discussion
2:00 – 2:20 Coring to establish depth of contamination (Paul Schroeder)
2:20 – 2:30 Discussion
2:30 – 3:30 Sediment stability/transport/erosion (Earl Hayter, ERDC)

3:30 – 3:45 – Break

3:30 – 4:00 Discussion
4:00 – 4:30 Estimation of contaminant loads (Eric Blischke)
4:30 – 5:00 Discussion and Wrap Up

Day 2

III- Remedy Selection

Lead: Eric Blischke, CDM

Purposes, requirements, and implementation of FSs at sediment sites; emphasize sediment-specific considerations

8:30 – 8:35 Session Introduction (Eric Blischke, CDM)
8:35 – 9:15 COC Selection and Cleanup Level Development (Eric Blischke, CDM)
9:15 – 9:45 Discussion
9:45 – 10:15 AOPC and SMA Development (Eric Blischke, CDM)
10:15 – 10:30 Discussion

10:30 – 10:45 - Break

10:45 – 11:15 Determination of Background (Eric Blischke, CDM)
11:15 – 11:30 Discussion
11:30 – 12:00 MNR lines of Evidence (Karl Gustavson, ERDC)
12:00 – 12:30 Discussion and Wrap Up

12:30-13:30 - Lunch

IV - Focus on Remedy Implementation and Lessons at Case Study Sites

Lead: Karl Gustavson, US ACE - ERDC

Guidance and requirements of remedy selection; emphasize sediment-specific considerations

1:30 – 1:40 Session Introduction: Guidance and requirements of remedy implementation; emphasize sediment-specific considerations (Karl Gustavson)

1:40 – 2:20	Capping: Pine Street Canal (VT) and McCormick and Baxter (OR) (Danny Reible, Univ. of Texas)
2:20 – 2:40	Discussion
2:40 – 3:20	Dredging: Hudson (Benny Connetta, EPA Region 2 RPM)
3:20 – 3:40	Discussion

3:40 – 3:55 – Break

3:55 – 4:35	Active caps and amendments: pilot studies (Danny Reible)
4:35 – 5:00	Discussion and Wrap Up

Day 3

V – Baseline, Performance, and Remedy Effectiveness Monitoring

Lead: Marc Greenberg, EPA HQ/ERT

Monitoring concepts and implementation. Emphasize sediment-specific considerations

8:30 - 8:40	Section V Goals and Overview (Marc Greenberg)
8:40 - 9:00	Objectives and baseline (Karl Gustavson)
9:00 - 9:15	Discussion
9:15 - 9:40	SWAC and trend analysis (Marc Greenberg)
9:40 - 10:00	Discussion

10:00 - 10:15 – Break

10:15 - 10:40	Porewater monitoring as a useful component of performance monitoring (Danny Reible)
10:40 - 11:00	Discussion
11:00 - 11:30	Risk-based decision-making: Linking the RI risk assessment and remedy decision to monitoring of receptors that matter (Marc Greenberg)
11:30 - 11:50	Discussion
11:50 - 12:30	Open Discussion (Greenberg/Gustavson/Reible)

12:30-13:30 - Lunch

VI – EPA only discussion 13:30 – 3:00