



AECOM

Sediment Expertise

Battelle International
Conference | Tampa, Florida

January 27-30, 2025

TUESDAY, JANUARY 28

Presentations



Mandar Bokare, PhD

A Novel CapSim Application for
Predicting Post-Remediation
Porewater Concentrations
9:15-9:40 a.m.



Mandar Bokare, PhD

Development and Application
of a Predictive Framework for
Evaluating Remedial Actions for
PCB-Impacted Water Bodies
1:50-2:15 p.m.



Melody Rodriguez

Utilizing Bench-Scale
Treatability Investigations
to Refine Assumptions in
Sediment Management
3:30-3:55 p.m.



Reece Frederick, EI

Value of an Alternatives
Analysis during a Feasibility
Study for Contaminated
Sediment Sites
4:45-5:10 p.m.



Betsy Ruffle

Sensitivity Analysis of Input
Variables for Human Health
Surface Water Quality
Criteria Derivation: A Case
Study Using PFOS
5:10-5:35 p.m.

WEDNESDAY, JANUARY 29

Presentations



Brian Mastin, PhD

Integration of Field Data to
Dredge Prism Development
10:30-10:55 a.m.



Alison Bitel, CHMM

Digital Data Collection and
Synthesis Tools Used in
Remedial Decision Making
1:25-1:50 p.m.



Ravi Damera, PE, BCEE

Review of Field Applications
of Activated Carbon for In Situ
Treatment of Sediments
2:15-2:40 p.m.

THURSDAY, JANUARY 30 Presentations



John Bleiler

Creative NRD Settlement Transforms
Land and Lives on the Banks of the
Passaic River
8:25-8:50 a.m.

GROUP 1 - TUESDAY, JANUARY 28

Posters



Yan Zhang, PhD, PE

Applying Climate Change Indicator (CCI) and Relative Sea Level Rise (RSLR) in Coastal Bridge Hydrodynamics and Scour Analysis



Chandy John

Assessment of Fate and Transport of Contaminated sediments from in-Lake Sediment Disposal in the Coastal Waters of the Great Lakes Using a 3-D Model



Brian Mastin, PhD

C Street Slip Feasibility Study and RAOR, St. Louis River Area of Concern, Superior, WI



Betsy Ruffle

Sensitivity Analysis of Surface Water Quality Criteria Derivation: A Case Study of Ecological Criteria for PFOS for Three Jurisdictions



Clara Austin

Beneficial Reuse of Sediment Using Bacteria Endophytes Derived from Contaminated Sediments

GROUP 2 - WEDNESDAY, JANUARY 29

Posters



Wendell Wen, CPG

Evaluation of Potential Ongoing
PCB Sources Using a Combination
of Data at the Apra Harbor
Sediment Site



Kim Elias, PG

Feasibility Studies for
Contaminated Sediment
Remediation in the Superior Slips,
St. Louis River Area of Concern



Steve Sahetapy-Engel

Treatability Study for Activated
Carbon Amendment Treatment of
Polychlorinated Biphenyls Impacted
Sediments at OU-3 of the Facilities
Department Salvage Yard Site, Hawaii

TUESDAY & WEDNESDAY, JANUARY 28 & 29

Session Chairs



Brian Mastin, PhD

January 28

Remedial Cleanup Objectives
and Approaches for Optimized
Remedial Development



Katy Teske

January 29

Hydrodynamics and
Sediment Transport



Sandy Paulsen

January 29

Field Sampling Methods
and Techniques