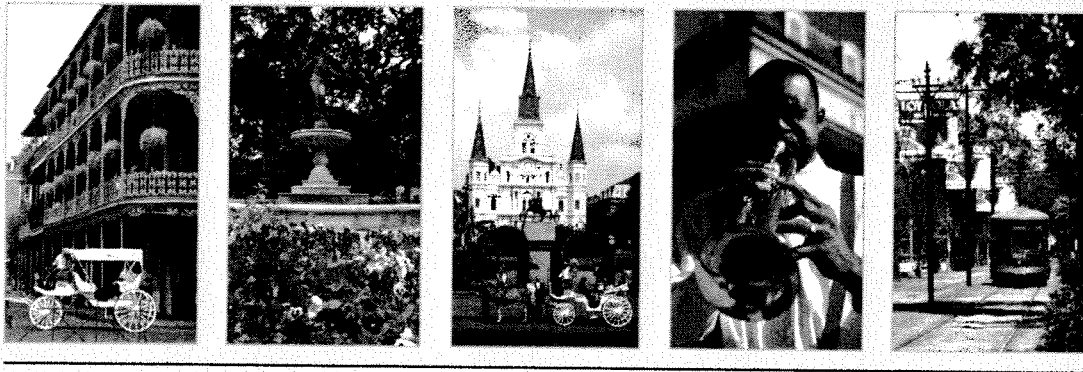


# SIXTH INTERNATIONAL CONFERENCE ON REMEDICATION OF CONTAMINATED SEDIMENTS

February 7-10, 2011 • Sheraton Hotel • New Orleans, Louisiana

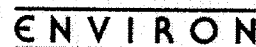
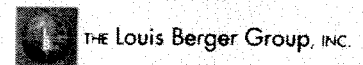
# FINAL PROGRAM



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# GROUP 2 POSTERS

## 17. Development of a Laboratory Test to Evaluate NAPL Mobility in Sediments.

*M. Erten, M. Goff, D. Reible, B. Gilbert, and C. El-Mohtar.*  
Mustafa Erten (University of Texas/USA)

## 18. Lessons from the Field: Practical Aspects of Sediment Sampling and Implementation of Integrated Sediment Quality Assessments.

*J. Barkach, D. McCauley, E. Schneider, and M. Garton.*  
John H. Barkach (Great Lakes Environmental Center/USA)

## B8. Noncontaminant Stressors

**19. Development of Odor-Oriented Sediment Remediation Strategy for a Polluted Waterway in Hong Kong.** *L. Tsui and P. Lee.*  
Yuk Ki (Chris) Choi (AECOM/Hong Kong)

**20. The Role of Sediment Acclimation in Toxicity Testing and Contaminant Availability.** *W.W. Gardiner, J.Q. Word, and M.R. Pinza.*  
William W. Gardiner (NewFields Northwest LLC/USA)

**21. Sediment Holding Time Issues Relative to the Microtox(sup)R Test.** *M. Pinza, J. Word, T. Schuh, and S. Watts.*  
Jack Q. Word (NewFields Northwest, LLC/USA)

## B9. Contaminant Source ID and Control

**22. Evaluations of the Sources of Contamination in Sediment Cores from Tenkiller Reservoir (Oklahoma, USA).** *R.L. Olsen, J.B. Fisher, F.M. Soster, and M. Smith.*  
Roger L. Olsen (CDM/USA)

**23. Metals as a Proxy to Identify Sediment Origins Adjacent to a San Francisco Serpentine Outcrop.** *S. Clough and H. Costa.*  
Stephen R. Clough (Haley & Aldrich, Inc./USA)

**24. Multisite Ambient Investigation for MGPs on the Chicago River.** *C. Menzie, M. Kierski, T. Saba, S. Meyer, E. Kovatch, J. Kahler, R. Fox, and J. Kern.*  
Sarah Meyer (Natural Resource Technology, Inc./USA)

**25. Environmental Forensics for PAH Source Management: Pavement Sealants and Sediments.** *J. Pietari, K. O'Reilly, and P. Boehm.*  
Jaana Pietari (Exponent, Inc./USA)

**26. PAHs and Parking Lots: A Field Study on PAHs Exported from Sealed and Unsealed Parking Lots.** *A. Watts, R. Roseen, T. Ballester, J. Houle, and T. Puls.*  
Kevin H. Gardner (University of New Hampshire/USA)

## C4. Cap Design

**27. Isolation Cap Modeling for Republic Site Sediments, Elizabeth River, Virginia.** *M.S. Dortch.*  
Mark S. Dortch (Moffatt & Nichol/USA)

**28. Evaluation of pH-Buffering Amendments for In Situ Capping of Hyperalkaline Contaminated Sediments.** *D. Vlassopoulos, J. Goin, B. Bessinger, C. Kiehl-Simpson, and E. Glaza.*  
Dimitri Vlassopoulos (Anchor QEA, LLC/USA)

**29. Development and Implementation of a Subaqueous Capping Technology for Precision Placement of Various Aggregates and Media.** *D. MacDougall.*  
David MacDougall (D.A. Collins Environmental Services, LLC/USA)

**30. Cap Design Life for Physical Stability and Chemical Isolation.** *P. LaRosa, M. Palermo, D. Reible, J. Verduin, and K. Russell.*  
Paul LaRosa (Anchor QEA, LLC/USA)

**31. Modular Prefabricated Sediment Treatment Layers.** *J. Fiske and C. Hornaday.*  
Chuck Hornaday (CETCO/USA)

**32. Selenium and PAH Removal Media and Methods of Deployment.** *Z. Wang, J. Olsta, and J. Darlington.*  
James T. Olsta (CETCO/USA)

**33. Amended Cap Design for Control of VOCs, SVOCs, Mercury, and pH for Onondaga Lake.** *C. Kiehl-Simpson, E. Glaza, D. Reible, G.V. Lowry, and D. Vlassopoulos.*  
Caryn Kiehl-Simpson (Parsons/USA)

**34. Organophilic Clay Amendment to Sediment Caps as a Method of In Situ Treatment for Organic Compounds in Groundwater.** *E.J. Schwarz and B. Hung.*  
Ben Hung (Anchor QEA, LLC/USA)

**35. Minimizing Contaminated Flow to Surface Water: Model Evaluation of Active Cap Designs.** *J. Hull, J. Collins, J. Mueller, and J. Moreno.*  
John H. Hull (AquaBlok, Ltd./USA)

## C5. Capping: Bench-Scale Studies

**36. PCB-Impacted Sediment Stabilization/Alkaline Dehalogenation vs. In Situ Capping.** *A.V. Zapp and D. Biehle.*  
Anthony V. Zapp (Stantec Consulting Ltd./USA)

**37. Dynamic Redox Environments within In Situ Sediment Caps Subject to Advective Flows.** *D.W. Himmelheber, M. Taillefert, K.D. Pennell, and J.B. Hughes.*  
David W. Himmelheber (Geosyntec Consultants/USA)

**38. Evaluation of a Laboratory-Scale Bioreactive In Situ Sediment Cap for the Treatment of Organic Contaminants.** *D.W. Himmelheber, K.D. Pennell, and J.B. Hughes.*  
David W. Himmelheber (Geosyntec Consultants/USA)

**39. Verification of Aromatic and Heavy Metal Sediment Contaminant Transport in Amended Caps via Isotherm Adsorption and Column Studies.** *K. Yin, P. Viana, and K. Rockne.*  
Karl J. Rockne (University of Illinois/USA)

**40. Evaluation of Sorption Materials for Use in Remediation of Mercury-Contaminated Freshwater Sediments.** *P. Randall, R. Fimmen, and V. Lal.*  
Paul M. Randall (U.S. EPA/USA)

**41. Predicting Long-Term Performance of Active Cap Materials.** *K.L. Dixon and A.S. Knox.*  
Anna Sophia Knox (Savannah River National Laboratory/USA)

## C6. Capping: Pilot Studies

**42. In Situ Remediation of Contaminated Sediments—New Approaches for Monitoring Active Caps.** *A.S. Knox, M. Paller, K. Dixon, and D. Reible.*  
Anna Sophia Knox (Savannah River National Laboratory/USA)

**43. The Impact of Capping on Biogas Production in Contaminated Freshwater Sediments.** *Q. Wang and C. Gruden.*  
Cyndee L. Gruden (University of Toledo/USA)

**44. Amendments for the In Situ Remediation of Contaminated Sediments: Evaluation of Potential Environmental Impacts.** *M. Paller and A. Knox.*  
Michael Paller (Savannah River National Laboratory/USA)

**45. Pilot Test for Using Dolomite in Engineered Caps for the Fox River Sediment Remediation Project.** *R.J. Feeney, K. McCaslin, J. Grosskopf, R.H. Weber, and G. Kincaid.*  
Richard J. Feeney (Tetra Tech EC, Inc./USA)

**46. The Use of Organoclay Mats to Address MGP Residuals in a Tidal Estuarine Environment.** *R. McCarthy, M. McCabe, K. Gardner, and S. Greenwood.*  
Ryan McCarthy (AECOM/USA)

**47. Assessing the Feasibility of Using Navigation-Dredged Material for Mega-Scale Capping Projects.** *T.J. Fredette, M.L. Habel, S. Wolf, A. Hopkins, D. Lewis, S. Wilson, C. Wright, J. Ryther, J. Germano, and D. Carey.*  
Steven Wolf (USACE/USA)