Remediation Technology Symposium

Sponsored by the
California Department of Toxic Substances Control

Co-sponsored by the
United States Environmental Protection Agency, Region 9

In cooperation with the
Groundwater Resources Association of California (GRA)

Wednesday, May 14 – Friday May 16, 2008

Cal/EPA 1001 I Street
Byron Sher Auditorium, 2nd Floor
Sacramento, California

Wednesday, May 14, 2008
Morning Session
Characterization Methods for Successful Remedial Design

7:30 - 8:30 Check-in and Registration – Networking

8:30 - 9:00 Watson Gin, Deputy Director, Hazardous Waste Management Program, Department of Toxic Substances Control
Welcoming Remarks
Video presentation

9:00 - 10:00 Murray Einarson, Geomatrix Consultants
Site Characterization and Monitoring in the New Millennium
Video presentation

10:00 - 10:30 Break

10:30 - 11:30 Brad Call, Army Corps of Engineers, Sacramento
The Triad Approach for Investigation and Remediation
Video Presentation

11:30 - 1:00 Lunch

Afternoon Session
Characterization Methods for Successful Remedial Design
Source Remediation/Physical Remedial Approaches

1:00 - 1:30 Eliot Cooper, Vironex
Membrane Interface Probe (MIP) for Remedial Design Data
Video presentation

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1:30 - 2:00 Randy St. Germain, Dakota Technologies
New Generation Optical Sensors for Characterizing NAPL Source Zones
Video presentation

2:00 – 2:30 Break

2:30 – 3:30 Michael Kavanaugh, Malcolm Pirnie, Inc.
Decision Making for Source Remediation
Video presentation

3:30 – 4:30 Paul Johnson, Arizona State University
In Situ Aeration-Based Remediation Technologies
- Part 1
- Part 2
- Part 3

Video presentation

4:30 – 6:00 Reception, Second Floor Lobby

Thursday, May 15, 2008
Morning Session
In Situ Remediation

8:00 – 8:45 Doug Mackay, University of California, Davis
Natural and Enhanced Bioremediation
Video presentation

8:45 – 9:30 Ryan Wymore, CDM
In Situ Bioremediation for Source Remediation of Volatile Organic Compounds
Video presentation

9:30 – 10:00 Break

10:00 – 10:45 Lisa Alvarez-Cohen, University of California, Berkeley
Application of Molecular Tools to Optimize Bioremediation
Video presentation

10:45 – 11:30 Evan Cox, Geosyntec Consultants
Perchlorate Remediation - Technology Options and Challenges Ahead
Video presentation

11:30 - 1:00 Lunch

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Afternoon Session
In Situ Remediation

1:00 – 2:00 Wilson Clayton, Aquifer Solutions
In Situ Chemical Oxidation
Video presentation

2:00 – 3:00 Mike Basel, Haley & Aldrich
In Situ Thermal Remediation (not available on line)
Video presentation

3:00 - 3:30 Break

3:30 – 5:00 Panel Discussion/Question and Answer Forum for participants:
Doug Mackay, Murray Einarson, Evan Cox, Steve Figgins
and Ryan Wymore
Video presentation

Closing credits and remarks – Brian Lewis and Director Maureen Gorsen
Video presentation

Friday, May 16, 2008
9:00 – 3:00
Vendor Field Demonstration

California State University, Sacramento

The California Department of Toxic Substances Control thanks the speakers for offering to share their expertise and the corporations and organizers that teamed up to organize the Remediation Technology Symposium:

Speakers:
Murray Einarson, Geomatrix Consultants
Brad Call, Army Corps of Engineers, Sacramento
Eliot Cooper, Vironex
Randy St. Germain, Dakota Technologies
Michael Kavanaugh, Malcolm Pirnie, Inc.
Paul Johnson, Arizona State University
Lisa Alvarez-Cohen, UC Berkeley
Ryan Wymore, CDM
Evan Cox, Geosyntec Consultants
Wilson Clayton, Aquifer Solutions
Doug Mackay, University of California, Davis
Steve Figgins, Brown and Caldwell
Mike Basel, Haley & Aldrich

Remediation Technology Symposium

Malcolm Pirnie, Inc.
Michael Kavanaugh
Jennifer Nyman
Fred Stanin

Brown and Caldwell
Steve Figgins

Geomatrix Consultants
Murray Einarson

True Blue Technologies, Inc.
John Sankey

Department of Toxic Substances Control
Watson Gin
Brian Lewis
Stewart Black
Ann Carberry
John Wesnousky
Paul Hadley
Thomas Cota
Mike O'Docharty

Special thanks also go to the vendors who provided displays in the lobby of the Byron Sher Auditorium and demonstrations during the field portion of the symposium.