



GROUNDWATER RESOURCES ASSOCIATION
O F C A L I F O R N I A

The 20th Symposium in GRA's *Series on Groundwater Contaminants*

“Site Closure Strategies”

February 20-21, 2008 – Hilton Hotel, Concord, California

PROGRAM AGENDA

(as of 2/14/08)

Wednesday, February 20, 2008

8:00 – 2:00 pm Registration/Continental Breakfast

1:00 – 1:10 pm ***Welcome and Program Overview***
Jim Strandberg, President, GRA
Rula Deeb, Malcolm Pirnie, Inc., Symposium Co-Chair

Session 1: Regulatory Framework

Moderator: Rula Deeb, Malcolm Pirnie, Inc.

1:10 – 1:35 pm *Remediation with Site Closure in Mind*
Thomas Cota, Department of Toxic Substances Control

1:35 – 2:00 pm *Closure of NPL Sites in EPA Region IX with TI Waivers*
Author: Herb Levine, Environmental Protection Agency, Region IX
Presenter: Alana Lee, Environmental Protection Agency, Region IX

2:00 – 2:25 pm *Recommended Closure Criteria for Low-Threat Solvent and Other Non Fuel Cases*
Alec Naugle, San Francisco Regional Water Quality Control Board

2:25 – 2:50 pm *How Can the Triad Framework Help Agencies Meet Site Closure Goals?*
Deana Crumbling, Environmental Protection Agency Headquarters

2:50 – 3:10 pm Break in Exhibit Area

Session 2: Alternative Approaches to Site Closure

Moderator: Brian Lewis, Department of Toxic Substances Control

- 3:10 – 3:35 pm *The Role of Insurance Policies and Insurance Coverage in a Successful Brownfield Development*
Byron Gee, Nossaman, Guthner, Knox & Elliott, LLP
Co-presenter: Tom Long, Nossaman, Guthner, Knox, & Elliott, LLP
Co-presenter: Sophie Froelich, Nossaman, Guthner, Knox, & Elliott, LLP
- 3:35 – 4:00 pm *Advanced Diagnostic Tools and Applications to Site Design, Management and Accelerated Closure*
Stephen Koenigsberg, WSP Environmental Strategies
- 4:00 – 4:25 pm *Sustainable Development and Brownfields*
Evan van Hook, Honeywell Corporation
- 4:25 – 4:50 pm *The Environmental Professional's Guide to Overcoming Obstacles to Site Closure*
James Bruen, Farella Braun + Martel LLP
- 4:50 – 5:25 pm *Comprehensive Approach to Site Closure Using ESLs, Environmental Hazard Maps and Treatment Zones*
Author: James Jacobs, Environmental Bio-Systems, Inc.
Presenter: Steve Baker, HydroSolutions of California, Inc.
- 5:30 – 6:30 pm Reception and Poster Presentations – Exhibit Hall**
- 6:30 – 9:00 pm Dinner and Keynote Presentation**
One Cleanup Program
Barbara Cook, Acting Division Chief for the Statewide Cleanup Program

Thursday, February 21, 2008

7:30 – 11:00 am Registration/Continental Breakfast

Session 3: Technical Impracticability

Moderator: Terry Feng, CH2M HILL

- 8:25 – 8:50 am *Revisiting the National Contingency Plan (NCP) as the Basis for Site Exit Strategies*
Frederick Stanin, Malcolm Pirnie, Inc.
- 8:50 – 9:15 am *Application of a TI Waiver/CZ at the South Air Force Research Laboratory (South AFRL), Edwards AFB, CA*
Sarah Grossi, Earth Tech

9:15 – 9:40 am *Technical Impracticability Evaluation and Alternative Remedial Strategy for a CERCLA Superfund Site*
Mary Stallard, Northgate Environmental Management, Inc.

9:40 - 10:00 am Break – Exhibit Hall

Session 4: Site Closure Strategies Case Studies - I

Moderator: Jennifer Nyman, Malcolm Pirnie, Inc.

10:00 – 10:25 am *Expedited Site Characterization and Remediation to Facilitate the Redevelopment of a Complex Brownfield Site*
Terry Feng, CH2M HILL

10:25 – 10:50 am *Optimization Strategy for Central Plateau Closure at the Hanford Site*
Thomas Fogwell, Weiss Associates

10:50 – 11:15 am *Pemaco Superfund Site - A Case Example of Expediting a Complex Project Through the Superfund Process*
Michael Dodson, Thermal Remediation Services
Co-Presenter: Nova Clite, TN & Associates, Inc.

11:15 – 11:40 am *Regulatory Exit Strategy for a Fractured Shale Bedrock Site Dominated by VOC Matrix Diffusion*
Kenneth Goldstein, Malcolm Pirnie, Inc.

11:40 – 1:00 pm Lunch

Session 5: Site Closure Strategies Case Studies - 2

Moderator: Marvin Unger, SERDP & ESTCP Support Office/HGL

1:00 – 1:25 pm *Stepwise-Closure Process: A Field Case in a Drinking Water Aquifer*
Elie Haddad, Locus Technologies

1:25 – 1:50 pm *Using Site Strategic Planning to Manage Risk Throughout the Closure Process*
Robert Cipolletti, CH2M HILL

1:50 – 2:15 pm *Underground Storage Tank Site Closure*
Dennis Parfitt, State Water Resources Control Board

2:15 – 2:40 pm *Using the Triad Approach to Get a Remediation Site Back on Track*
Nova Clite, TN & Associates, Inc.

2:40 – 3:00 pm Break – Exhibit Hall

Session 6: Panel Discussion – The Treacherous Road to Site Closure

Moderator: Elie Haddad, Locus Technologies

- 3:00 – 3:50 pm Panelists:
Stephen Hill, San Francisco Regional Water Quality Control Board
Alana Lee, Environmental Protection Agency, Region IX
Lenny Siegle, CPEO
Greg Taylor, Raytheon
Marvin Unger, SERDP & ESTCP Support Office/HGL
- 3:50 –4:00** **Closing Remarks**
Elie Haddad, Symposium Co-Chair

Poster Presentations

Demonstrating Natural Attenuation: Sampling Variability and Data Trends

Sandy Britt, ProHydro, Inc./Snap Sampler

Advanced Chemical Oxidation Achieves Site Closure for Petroleum Hydrocarbons and MTBE in Los Angeles, California

Presenter: Jack Peabody, Regenesis; Author: Angel Cardoza, The Reynolds Group

San Jose MarketCenter: Risk Management for Brownfields Redevelopment

Jon Erskine, Northgate Environmental Management, Inc.

Dynamic Work Strategies and Real-Time Management Systems – Using Triad Elements to Optimize Containment Mass Removal

Bill Girolamo, Environmental Data Solutions Group, LLC

Thermal Remedial Paves the Way for Redevelopment

Gorm Heron, TerraTherm, Inc.

Management Transfer Initiative – A Cost Saving Approach to Site Closures

David Herzog, Conestoga-Rovers & Associates

Successful Closure of Multiple Delaware UST Sites Using Oxygen Infusion Technology

Presenter: Steve Baker, HydroSolutions of California, Inc.; Author: James Morrow, GHR Consulting Services

Site Closure Strategies for an Oil Field Waste Disposal Facility for Residential and Dune Habitat Use

Presenter: Eileen Wintemute, LFR, Inc.; Author: Charles Robinson, LFR, Inc.

In-Situ Chemical Oxidation: Remediation System Design and Implementation

Presenter: Morgan Reed, TEC Accutite; Author: Nicholas Haddad, TEC Accutite

Performance Metrics and Contingency Plans for Environmental Site Closure Strategies

Ann Rosecrance, Conestoga-Rovers & Associates, Inc.

Conceptual Framework for Effective Remediation Management to Support Site Closure
Bill Schaal, TN & Associates

Plume Delineation Methods for Expedited Case Closure
Presenter: Nathan Smith, TEC Accutite; Author: Nicholas Haddad, TEC Accutite

Evaluation of Natural Attenuation Rates and Source Remediation at Three Sites with Long-Term Groundwater Monitoring Records
David Wright, ExxonMobil Environmental Services Company