

21st Annual National
TANKS
CONFERENCE
& EXPO

www.neiwpc.org/tankconference



SCVB/Tom Myers



New England Interstate Water
Pollution Control Commission



Office of Underground Storage
Tanks, U.S. Environmental
Protection Agency

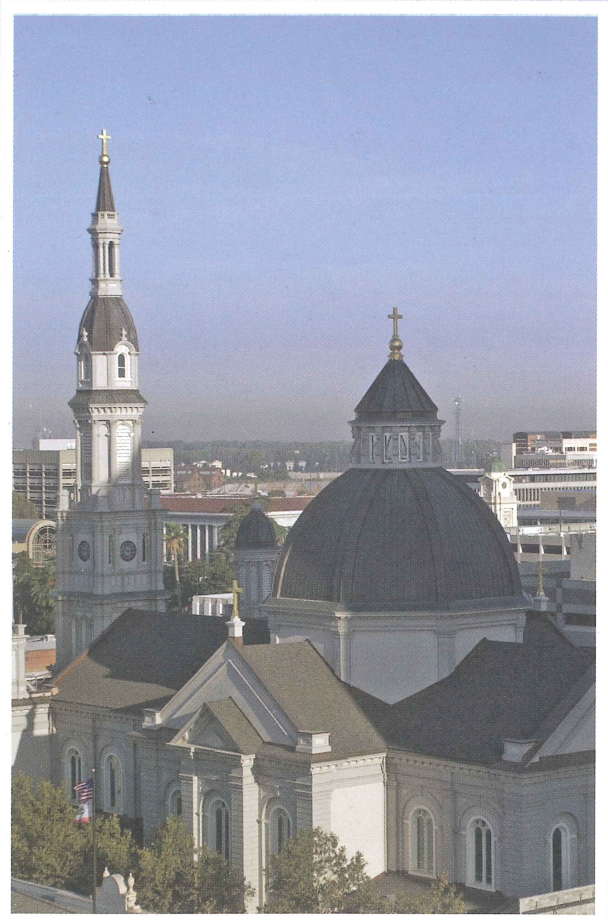


Association of State and Territorial
Solid Waste Management Officials



Cal/EPA
SWRCB

California State Water
Resources Control Board



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21st Annual National Tanks Conference and Expo Program Book, 2009

A Production of the New England Interstate Water Pollution Control Commission; in conjunction with the Office of Underground Storage Tanks, U.S. Environmental Protection Agency; Association of State and Territorial Solid Waste Management Officials; and the California Environmental Protection Agency.

Photography courtesy of Sacramento Convention and Visitors Bureau, unless otherwise noted.



21st Annual National
**TANKS
CONFERENCE**
March 30 - April 1, 2009
& EXPO



March 2009

Dear Colleague,

On behalf of the New England Interstate Water Pollution Control Commission, EPA's Office of Underground Storage Tanks and Region 9, the California State Water Resources Control Board, and the Association of State and Territorial Solid Waste Management Officials, it is our pleasure to welcome you to Sacramento, California for the 21st Annual National Tanks Conference and Exposition. We are thrilled to once again bring together the underground storage tanks community for this event, which affords such tremendous opportunities for learning and making progress on the challenges we face.

We are particularly excited about this year's gathering because for the very first time, we are integrating the National Tanks Conference and the State Fund Administrators Meeting. This merger has enabled the development of a truly comprehensive agenda with sessions covering an exceptionally wide range of topics, including vital financial issues. We are also introducing a session called "Pulse of the Nation," which gives all attending states, territories, and tribes an opportunity to provide an update on their underground storage tanks programs. With so many outstanding sessions to attend, we urge you to carefully consider your choices. If you cannot attend a desired session, bear in mind that most session presentations will be available for download via the conference website (www.neiwpcc.org/tanksconference).

We have come a long way on tanks issues over the past two decades, but as we all know much more work remains to be done. Over the next few days, we encourage you to share your knowledge, learn from others, and make the very most of your experience. Thank you for joining us.

Sincerely,

Ronald F. Poltak
Executive Director
New England Interstate Water Pollution Control
Commission

Mary T. Zdanowicz
Executive Director
Association of State and Territorial Solid Waste
Management Officials

Carolyn Hoskinson
Acting Director
Office of Underground Storage Tanks
U.S. Environmental Protection Agency

Dorothy R. Rice
Executive Director
California State Water Resources Control Board

California Water Boards

State Water Resources Control Board, Regional Water Quality Control Boards

OUR MISSION: To preserve, enhance, and restore the quality of California's surface and groundwater resources, and ensure their proper allocation and efficient use for the benefit of present and future generations.



What the State Water Resources Control Board does:

Created by the State Legislature in 1967, the five-member Board protects water quality by setting statewide policy, coordinating and supporting the Regional Water Board efforts, and reviewing petitions that contest Regional Board actions. The State Board is also solely responsible for allocating surface water rights.

Board members are appointed to four-year terms by the Governor and confirmed by the Senate.

Tam M. Doduc, *Board Chair*
Gary Wolff, P.E. Ph.D, *Board Vice-Chair*
Charles R. Hoppin, *Board Member*
Arthur G. Baggett, Jr., *Board Member*
Frances Spivy-Weber, *Board Member*
Dorothy Rice, *Executive Director*



What the Regional Water Quality Control Boards do:

There are nine regional water quality control boards statewide. The nine Regional Boards are semi-autonomous and are comprised of nine part-time Board members appointed by the Governor and confirmed by the Senate. Regional boundaries are based on watersheds and water quality requirements are based on the unique differences in climate, topography, geology and hydrology for each watershed. Each Regional Board makes critical water quality decisions for its region, including setting standards, issuing waste discharge requirements, determining compliance with those requirements, and taking appropriate enforcement actions.

State Water Board programs

The State Water Board has four major programs –

Water Quality:

The State Water Board works in coordination with the Regional Water Boards to preserve, protect, enhance and restore water quality. Major areas of focus include stormwater, wastewater treatment, water quality monitoring, wetlands and ocean protection, environmental education, etc.

Financial Assistance:

The State Water Board provides loans and grants for constructing municipal sewage and water recycling facilities, remediation for underground storage tank releases, watershed protection projects, and for nonpoint source pollution control projects.

Water Rights:

Anyone wanting to divert water from a stream or river not adjacent to their property must first apply for a water right permit from the State Water Board. The State Water Board issues permits for water rights specifying amounts, conditions and construction timetables for diversion and storage.

Enforcement:

The State Water Board and the nine Regional Water Quality Control Boards are responsible for swift and fair enforcement when the laws and regulations *protecting* our waterways are violated.

Sacramento Downtown Area Walking Map



Conference Information

Registration and Information Desk Hours

Holiday Inn – Located in North Lobby	
Sunday, March 29	11:00 a.m. to 4:00 p.m.
Sacramento Convention Center – West Lobby	
Monday, March 30	7:00 a.m. to 5:00 p.m.
Tuesday, March 31	7:00 a.m. to 5:00 p.m.
Wednesday, April 1	8:00 a.m. to 11:30 p.m.

Lost & Found/Message Board

Located at the Conference Registration and information Desk in the West Lobby of Convention Center.

ATM

Located outside of Exhibit Hall D.

Business Centers/Office Supplies

FedEx Kinko's is located at 1200 J Street, two blocks from the Convention Center.

Tel: (916) 444-2643
Email: usa3295@fedexkinkos.com

Monday – Friday	6:00 a.m. to 11:00 p.m.
Saturday – Sunday	10:00 a.m. to 6:00 p.m.

Conference Transportation

Bus transportation to and from the Holiday Inn to the Sacramento Convention Center will be available for National Tanks Conference participants free of charge. The bus will run continuously during conference hours between the front entrance of the Holiday Inn to the 13th and K Street entrance of the Sacramento Convention Center.

Attire and Badges

The attire for the 21st Annual National Tanks Conference will be “business casual.” Please wear your badge during the conference as it identifies you as a participant. Badges are coded for easy recognition of different types of attendees. This year’s badges are colored as follows:

Yellow	ATTENDEE
Blue	EXHIBITOR
Red	EXHIBIT HALL ONLY

Medical Information and Pharmacy

Sutter General Hospital – 2801 L Street, Sacramento
Tel: (916) 454-2222; <http://suttermedicalcenter.org>

Mercy General Hospital – 4001 J Street, Sacramento
Tel: (916) 453-4545; www.mercygeneral.org

Rite Aid, 831 K St (6 blocks from the hotel)
See Bellman for directions.

Fire Emergency Information

All guestrooms have a pre-printed map of the nearest emergency exit; the map is posted on the back of each guest room door for quick access. Please take a moment to review. Emergency exit signs are positioned in the hallways to direct you to the closest available exit. Do not use elevators in the event of a fire. Hotel staff will direct guests to the nearest emergency exit. In the event of a medical or fire emergency, contact hotel security immediately by pressing “0” on a hotel phone and asking for security.

Airport Transportation

Ask at the Holiday Inn front desk for information, located by the front entrance.

Conference Information

Ribbon Cutting Ceremony and Expo Hours

Ribbon Cutting Ceremony
Monday, March 30
Outside of Exhibit Hall E

10:00 a.m.

Expo Hours and Poster Sessions

Monday, March 30
Tuesday, March 31

10:00 a.m. to 7:00 p.m.
8:00 a.m. to 5:00 p.m.

Poster "tours" will be conducted during the Monday Welcome Reception and the Tuesday Expo and Poster Session.

Breakfast Plenary and Tuesday Luncheon

The Monday morning breakfast plenary will be held in Exhibit Hall D.

Monday, March 30 8:00 a.m. to 10:00 a.m.

The Tuesday luncheon, with guest speaker Nicole Dotts from BP, will be held in Exhibit Hall D.

Tuesday, March 31 11:30 a.m. to 1:30 p.m.

Welcome Reception

The Monday evening Welcome Reception is located in Exhibit Hall E. Your conference badge is your ticket in!

Monday, March 30 5:00 p.m. to 7:00 p.m.

Individual Session Evaluation Forms

Your opinion is important to us!

Individual Session Forms will be available in each session room. Please take a moment to fill out the appropriate form. This feedback is passed on to the moderators and speakers so we can continue to improve the sessions and make them as meaningful and useful as possible for all attendees.

Please leave your Individual Session Forms with the room moderator before leaving the session.

Conference Evaluation Forms

Your opinion is important to us!

Conference Evaluation Forms are extremely valuable to the National Tanks Planning Committee when preparing for the following year's conference. All forms are individually evaluated to ensure we are providing all attendees with a high quality tanks conference experience.

Please leave your Conference Evaluation Forms at the Registration/Information Desk.

Agenda for Sunday, March 29

Pre-Conference Workshops Lead: Stephen Reuter, NM	
1:00 – 5:00 (half-day) Location: Hermosa (<i>Holiday Inn</i>)	Green Remediation: The Sustainable Remediation Forum (SURF) Organizer: Curtis Stanley, Shell Global Solutions Kevin Graves, California State Water Resources Control Board Paul Hadley, California Department of Toxic Substances Control Steve Linder, U.S. Environmental Protection Agency Region 9 Erica Becvar, HQ AFCEE/TDV Stephanie Fiorenza, BP Hernando Albarracin, Illinois Environmental Protection Agency
1:00 – 5:00 (half-day) Location: Granada (<i>Holiday Inn</i>)	Assessing Vapor Intrusion at Petroleum Release Sites Organizer: Todd Ririe, BP Blayne Hartman, H&P Mobile Geochemistry Robin Davis, Utah Department of Environmental Quality George DeVaul, Shell Global Solutions
1:00 – 5:00 (half-day) Location: Balboa/Calaveras (<i>Holiday Inn</i>)	Cathodic Protection and Testing for Underground Storage Tank Systems Organizer: Paul Miller, U.S. Environmental Protection Agency Lorri Grainawi, Steel Tank Institute Kevin Henderson, Mississippi Department of Environmental Quality
2:00	Break (refreshments available) Location: North Lobby

Sunday registration and exhibitor set-up	
11:30 – 4:00	Conference Registration/Information Desk Open North Lobby (<i>Holiday Inn</i>)
1:00 – 6:00	Poster Set-Up Exhibit Hall E
1:00 – 6:00	Exhibitor Set-Up Exhibit Hall E

Sunday Meetings

9:00 – 1:00 **ASTSWMO UST Task Force Meeting**

Location: River View Room (*Holiday Inn*)

Social Event – An Evening Aboard the Delta King Sunday, March 29 from 5:00 to 9:00 PM

Please join your fellow colleagues at this year's networking event. The social event will take place aboard the historic Delta King riverboat, a completely renovated, historic 1920's riverboat that plied the Sacramento River between Sacramento and San Francisco from 1927 to 1940. Food will be served. Cash Bar! You must present your pre-paid ticket to attend this event.

Directions from the Holiday Inn: Exit the Holiday Inn towards J Street. Take a left at J Street, following the sidewalk underneath the highway. Continue 2 more blocks on J Street then take a left onto Front Street. The Delta King is moored 1 block up on the right.

Agenda for Monday, March 30

7:00 – 5:00	Conference Registration/Information Desk Open West Lobby			
7:00 – 7:45	Mandatory Speaker/Moderator Breakfast Room 101-102			
8:00 – 10:00	Breakfast Plenary (ticket required) Exhibit Hall D Moderator: Ronald Poltak , Executive Director, New England Interstate Water Pollution Control Commission Speakers: Dorothy Rice , Executive Director, California State Water Resources Control Board Stephen B. Etsitty , Executive Director, Navajo Environmental Protection Agency Laura Yoshii , Acting Regional Administrator, U.S. Environmental Protection Agency Region 9 Carolyn Hoskinson , Deputy Director, U.S. Environmental Protection Agency Office of Underground Storage Tanks			
10:00 – 10:30	Expo Opening and Ribbon Cutting Ceremony Exhibit Hall E			
10:00 – 7:00	Exhibits and Poster Session Area Open Exhibit Hall E			
TRACK	Cleanup	Prevention	Cleanup Policy/Management	Funding and Accountability
Track Leaders	Jennifer Steffes	Laura Fisher/John Elkins	Michael Sexton/Adam Klinger	Stephen Reuter
10:30 – 12:00	Risk: It Isn't Just A Game Moderator: Fred McGarry, NH Room 202	Operator Training Moderator: Tim Smith, EPA OUST Room 204	States Only Meeting Moderators: Water Huff, MS Dick Swanson, GA Room 203	Tribal Only Meeting Moderators: Ken McBride, Red Lake Band of Chippewa Indians Robert Largent, Inter-Tribal Environmental Council Room 105
12:00 – 1:30	Lunch (on your own)			
1:30 – 3:00	Vapor Intrusion Moderator: John Menatti, UT Room 202	Getting Out of Your Liquid Reality Moderator: Ben Thomas, Ben Thomas Associates Room 204	Alternate Fuels Moderator: Walter Huff, MS Room 203	State Fund Managers Moderator: Chuck Schwer, VT Room 105
3:00 – 3:30	Break (refreshments available) Exhibit Hall E			
3:30 – 5:00	Fundamentals of Site Assessment Moderator: Donna Burmeister, FL Room 202	Compliance Testing Moderator: Brad Hoffman, Tanknology Room 204	Pulse of the Nation Moderator: Dennis Rounds, SD Exhibit Hall C	
5:00 – 7:00	Welcome Reception Exhibit Hall E (Your Conference Badge is Your Ticket In)			

Monday Meetings

- | | | |
|---------------|---|------------------------|
| 10:30 – 12:00 | EPA Only Meeting – Mark Barolo, EPA OUST | Location: Room 103-104 |
| 1:30 – 3:00 | Tribal/EPA Meeting – Ken McBride, Red Lake Band of Chippewa Indians/Robert Largent, Inter-Tribal Environmental Council | Location: Room 103-104 |
| 3:30 – 5:00 | UST Enforcement Group Meeting | Location: Room 105 |

Agenda for Tuesday, March 31

7:00 – 5:00	Conference Registration/Information Desk Open West Lobby			
7:00 – 7:45	Mandatory Speaker/Moderator Breakfast Room 101-102			
8:00 – 5:00	Exhibits Open Exhibit Hall E Poster Session Area Open Exhibit Hall E			
TRACK	Cleanup	Prevention	Cleanup Policy/ Management	Funding and Accountability
8:00 – 9:30	Green Remediation Moderator: Brigid Lowery, EPA OSWER Room 202	Managing Emerging Fuels Moderator: Jeff Scott, EPA Region 9 Room 204	Backlog: State Backlog Efforts Moderator: Robin Hughes, EPA OUST Room 203	What Leaked, Why Did It Leak, and Who Pays? Moderator: Carol Eighmey, MO Room 103-104
9:30 – 10:00	Break (refreshments available) Exhibit Hall E			
10:00 – 11:30	Innovative Technology #1 Moderator: Stephen Reuter, NM Room 202	Leak Detection and Alternative Fuels Moderator: Andrea Barbery, EPA OUST Room 204	Petroleum Brownfields – Recent Revitalization Projects Moderators: Jim Glass, OR Steve McNeely, EPA OUST Room 203	Expedited Enforcement Moderator: Dorothy Malaier, AL Room 103-104
11:30 – 1:30	Luncheon (ticket required) Exhibit Hall D Moderator: Dania Rodriguez , Deputy Executive Director, Association of State and Territorial Solid Waste Management Officials Speakers: Nicole Dotts , Site Director, Helios House, BP Fuels Value Chains Marketing			
1:30 – 3:00	Innovative Technology #2 Moderator: Ben Wright, CA Room 202	Compliance Assistance Moderator: Ken McBride, Red Lake Band of Chippewa Indians Room 204	Petroleum Brownfields – Linking Cleanup and Revitalization Moderators: Jim Glass, OR Steve McNeely, EPA OUST Room 203	Cost Control Moderator: Betty Lamp, VA Room 103-104
3:00 – 5:00	Expo and Poster Session (refreshments available) Exhibit Hall E			

Tuesday Meetings

- 10:00 – 10:30 **Resource Guide for LUST Corrective Action EPA (OUST)** Location: Room 105
- 3:00 – 4:00 **EPA Attorneys Meeting** Location: Room 105
- 4:00 – 4:30 **EPA/State Attorneys Meeting** Location: Room 105
- 5:00 – 6:00 **EPA Region III All-States Planning Meeting** Location: Room 201

Agenda for Wednesday, April 1

8:00 – 11:30	Conference Registration/Information Desk Open West Lobby			
7:30 – 8:15	Mandatory Speaker/Moderator Breakfast Room 101-102			
TRACK	Cleanup	Prevention	Cleanup Policy/ Management	Funding and Accountability
8:30 – 10:00	Site Assessment Moderator: Joel Coffman, EPA Region 9 Room 202	Inspections and Outreach Moderator: John “Trey” Morgan, SC Room 204	Off-Site Contamination: Public Disclosure, Water Well Impacts, and Source Water Protection Moderator: Chuck Williams, FL Room 203	EPA/State Meeting Moderators: Walter Huff, MS Dick Swanson, GA Mark Barolo, EPA OUST Room 103-104
10:00 – 10:15	Break West Lobby			
10:15 – 11:45	Challenges to Cleanup Completion Moderator: Mallory Miller, EPA Region 4 Room 202	RPS and Standards Moderator: Laura Fisher, CA Room 204	Roundtable LUST Discussion Moderator: Steve Linder, EPA Region 9 Room 105	PID Nuts to Bolts Moderator: Richard Spiese, VT Room 103-104
Noon	Adjourn			

Wednesday Meetings, April 1, 2009

1:00 – 5:00	ASTSWMO State Funds Task Force Meeting	Location: Room 201
1:00 – 5:00	ASTSWMO LUST Task Force – Fuel Additives Meeting	Location: Room 105
1:30 – 5:00	National Work Group on Leak Detection Evaluations	Location: River View Room (<i>Holiday Inn</i>)

Thursday Meetings, April 2, 2009

8:00 – 5:00	National Work Group on Leak Detection Evaluations	Location: River View Room (<i>Holiday Inn</i>)
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Friday Meetings, April 3, 2009

8:00 – 5:00	National Work Group on Leak Detection Evaluations	Location: River View Room (<i>Holiday Inn</i>)
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Exhibitor Profiles

Adventus Group
2871 W. Forest Road, Suite #2
Freeport, IL 61032
Tel: 815-235-3503



Contact: Alan Seech
Email: alan.seech@adventusgroup.com
www.AdventusGroup.com

Booth 213

The Adventus Group provides an intriguing portfolio of environmental remediation technologies, including patented offerings surrounding usage of Zero Valent Iron (ZVI) and other In Situ Chemical Reduction (ISCR) technologies, including DARAMEND® and EHC®. Our business model helps site owners, environmental engineers, and diverse consulting professionals exceed their client's expectations by providing unbiased design, and selection, of the most effective remediation strategies available.

Ameron International
9720 Cypresswood Drive, Suite 325
Houston, TX 77070
Tel: 832-912-8282



Contact: Catherine Cuffe
Email: ccuffe@ameronfpd.com
www.ameron-fpg.com

Booth 204

Ameron Dualoy fiberglass pipe products for underground use include coaxial (LCX) and single wall products (3000/L). Coaxial pipe for marina and aboveground use is also available (MCX). Ameron has a complete UL Listing for all products and fuel types. The coaxial piping can be continuously monitored using pressure or vacuum and Ameron has patented the only hydrostatic monitoring system that satisfies ILLM requirements for product piping in California and listed by the NWGLDE.

ARID Technologies, Inc.
323 S Hale Street
Wheaton, IL 60187
Tel: 630-681-8500
Contact: Michael Heffernan
Email: mheffernan@aridtech.com
www.ARIDtech.com



Booth 303

ARID Technologies' PERMEATOR, prevents the evaporative loss of gasoline vapors and resulting product loss from gasoline storage tank vent lines. The system received CARB certification. Independent, third-party field tests confirmed the predicted evaporative losses and determined that PERMEATOR reduced the losses by 99.27%. Reduction of these emissions provides up to an annual 95% return on investment. PERMEATOR is offered with a 3 year parts and labor warranty.

ASTSWMO
444 North Capitol Street, N.W.
Washington, DC 20001
Tel: 202-624-7886



Contact: Julius Shapiro
Email: jshapiro@astswmo.org
www.astswmo.org

ASTSWMO is a non-profit, non-partisan association organized in 1974 to represent State managers responsible for the regulation, and cleanup of underground storage tanks, hazardous waste, and other non-hazardous wastes. Our members are State and Territorial employees with technical backgrounds in engineering, geology, hydrology, etc., and are engaged in the day-to-day management of these State programs. In addition to State programs, they manage federally delegated programs, such as authorized UST Programs, and hazardous waste programs in the States.

Bristol Environmental Remediation Services

111 W. 16th Ave. Third Floor
Anchorage, AK 99501
Tel: 907-563-0013



Contact: Patricia Curl
Email: pcurl@bristol-companies.com
www.bristol-companies.com

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BERS is a 100% Native American-owned company, a certified 8(a) business, and a wholly owned subsidiary of Bristol Bay Native Corporation. Our services include environmental site characterizations and investigations; hazardous materials removal and disposal; regulatory compliance; regulated UST/LUST closure; site demolition, deactivation and debris removal; and remedial design and installation. Remedial action projects include design of remedial systems; removal, destruction, and disposal of contaminants and wastes; and remedial system construction, operation, and monitoring.

CGRS, Inc.
PO Box 1489
Fort Collins, CO 80522
Tel: 970-493-7780



Contact: Eric Hick
Email: stasie@cgrs.com
www.cgrs.com

Booth 312

CGRS, Inc. provides Enhanced Leak Detection (ELD) services for newly installed fueling systems, California well proximity site testing and leak location services. CGRS is the total solution when it comes to your leak detection needs. "Call us before you dig." Contact us today for a project cost estimate at 1-800-288-2657, or for more information, visit our website at www.cgrs.com.

Containment Solutions, Inc.
5150 Jefferson Chemical Road
Conroe, Texas 77301
Tel: 936-756-7731



Contact: Ron Shaffer
Email: rshaffer@csiprod.com
www.containmentsolutions.com

Booth 111

CSI specializes in the manufacturing of underground fiberglass storage tanks (500 - 50,000 gal.) designed with rust-resistant fiberglass for safe, long term containment of petroleum, automotive and water storage; oil/water separators for storm water discharges and Fiberglass manholes, rehabilitation manholes and wetwells for the wastewater industry. CSI tanks can be manufactured to meet specific requirements including compartments and manways. CSI water tanks can contribute up to 7 LEED points in "green-building" applications.

Crompco
1815 Gallagher Road
Plymouth Meeting, PA 19426
Tel: 610-504-2876



Contact: Lisa Smith
Email: lisa@mac4comm.com
www.crompco.com

Booth 300

Crompco, LLC, is one of the premier underground tank, line, and vapor recovery testing companies in the United States. Experienced employees, geographic coverage, flexibility, attention to quality, and state-of-the-art testing methodologies and tools are the foundations of the company's success. These strengths have earned Crompco the opportunity to partner with some of the most respected names in the industry. Crompco, LLC has been in business since 1980 and is located in Plymouth Meeting, PA. Visit our website at www.crompco.com for more information or call 1-800-646-3161.

Exhibitor Profiles

DPM Inc.

5523 Bassett Marysville Road
Oroville, CA 95965
Tel: 530-534-3966
Contact: Mike Bolt
Email: mikeb@dpm-llc.com



Booth 400

Diversified Products Manufacturing Inc. is a manufacturer of plastic injection molded fittings for the petroleum equipment industry that specializes in manufacturing penetration fittings (studded & threaded styles), terminating and test reducers, inserts, centralizers, along with "split" repair kits for all common penetration entry fittings and pipe sizes. DPM also manufactures spill container repair liners, tank and dispenser sumps, sump lid retrofit kits and a line of industrial bulkhead fittings for larger industrial pipe sizes.

EcoVac Services

105 Weatherstone Dr, Suite 610
Woodstock, GA 30188
Tel: 770-592-1001
Contact: Nick Athens
Email: nick.athens@ecovacservices.com
www.ecovacservices.com



Booth 112

EcoVac Services utilizes the combined technologies of surfactant injection and chemical oxidant injection, coupled with mobile dual-phase/multi-phase extraction (SURFAC[®] and ISCO-EFR[®], respectively). These technologies have been successfully utilized for complete removal of NAPL and/or achievement of site clean-up levels (site closures) at numerous active UST sites, using a "phased approach". These sites have included a wide array of hydrogeologic conditions, with varying groundwater depths. NAPL plume sizes have ranged from 60' by 60' to 550' by 250', at high traffic locations.

ECS

607 North Avenue, Suite 11
Wakefield, MA 01880
Tel: 781-246-8897
Contact: William Alpine
Email: nghedini@ecsconsult.com
www.ecsconsult.com



Booth 302

ECS is a full-service environmental consulting firm with 11 offices throughout the Northeast, Midwest, and Southeast. Services include underground storage tank compliance, fuel system management, site assessment, remediation, and energy/sustainability services.

Fiber Glass Systems

2700 West 65th Street
Little Rock, AR 72209
Tel: 501-618-2256
Contact: Patty Tanner
Email: patty.tanner@nov.com
www.fgspipe.com



Booth 301

Fiber Glass Systems is a manufacturer of UL Listed piping products for underground fuels. Red Thread IIA fiberglass piping systems (both primary & secondary) are UL 971 Listed for all UL identified fuels, including alcohol & alcohol-gasoline mixtures of either Ethanol or Methanol up to and including 100%. Red Thread IIA piping systems are compatible with Biodiesel & E85. Red Thread IIA supplies the only UL 971 Listed Single Wall and Double Wall Sump Entry/Termination Fittings.

Franklin Fueling Systems

3760 Marsh Rd.
Madison, WI 53718
Tel: 608-838-5685



Franklin Fueling Systems

Contact: Andrew Knapp
Email: knapp@franklinfueling.com
www.franklinfueling.com

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Franklin Fueling Systems is comprised of the industry's most extensive lines of fueling product solutions including: dispensing systems (Healy), fuel management systems (INCON), piping & containment (APT), submersible pumping systems (FE Petro), service station hardware & transport systems (EBW & Phil-Tite). Innovative products include: 4 hp variable speed submersibles for high volume sites, EVR approved Phase I & Phase II vapor recovery equipment, In-Station Diagnostics (ISD), fiberglass & poly sumps, UL flexible pipe.

Groundwater & Environmental Services, Inc.

1340 Campus Parkway, Building B4
Neptune, NJ 07753
Tel: 866-518-7971
Contact: Rhea Utano
Email: rutano@gesonline.com
www.gesonline.com



Booth 202

Groundwater & Environmental Services, Inc. (GES) is one of the nation's top environmental consulting and contracting firms. We've been helping petroleum, energy, and manufacturing businesses manage their environmental programs for more than 20 years. GES offers a wide range of soil and groundwater assessment and remediation services with a focus on environmental liability management. We are hands-on specialists with a toolbox of leading-edge methods for enhanced site characterization, aggressive remediation, and expedited closure.

H2O R2 Consulting Engineers, Inc.

2060 East Route 66, Suite 201
Glendora, CA 91740
Tel: 626-852-1235
Contact: Rey Rodriguez
Email: reyrh2or2@aol.com

H₂O R²

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H2O R2 is a full service Engineering firm specializing in Water Resources & Environmental Management, Process Design & Drinking water and Environmental Groundwater and Air treatment systems. H2O R2 represents several remediation equipment manufacturers including Maple Leaf Environmental Equipment, inVentures Technologies, Matrix Environmental, Pine Environmental, Calgon Carbon Advanced Oxidation Technologies, MARV Technologies, AquaVen Air Strippers, as well as others. We maintain a large inventory of remediation equipment and provide equipment maintenance service and technical support.

Exhibitor Profiles

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www.ionscience.com



Booth 310

Ion Science Ltd is an international manufacturer of technologically advanced gas detection, leak detection and corrosion monitoring equipment for a wide range of industries and applications. We have offices in the UK, USA, Germany and Singapore and a global network of Distributors in most countries around the world. Our photoionisation detection (PID) technology is key to a number of first-class products, with a detection range of ppb to 10,000 ppm for volatile organic compounds (VOCs) and other toxic gases.

Microbial Insights
2340 Stock Creek Blvd
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Email: dogles@microbe.com
www.microbe.com



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Microbial Insights, Inc. (MI) is an environmental biotechnology company specializing in the application of molecular biological tools (MBTs) that aid our clients in understanding biological processes ranging from bioremediation of petroleum hydrocarbons to biofilm formation. MI has become a leader in the application of molecular approaches for more effective evaluation of microbial processes. MI offers a wide range of genetic and chemical diagnostic tools to facilitate intelligent site design and management decisions.

NEIWPC
116 John Street
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www.neiwpc.org



The New England Interstate Water Pollution Control Commission initiates pertinent research, conducts training seminars, coordinates national conferences, convenes workgroup discussions, and publishes LUSTLine, which for years has been the publication of record for UST and LUST matters nationwide.

OPW
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Hamilton, OH 45011
Tel: 513-870-3144
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www.opw-fc.com



Booth 402

OPW Fueling Components is the global leader in dispensing products, environmental systems, secondarily contained fuel delivery systems, fuel management systems and clean energy fueling products, including dispensing nozzles for vapor recovery, gasoline, diesel, LPG, Hydrogen and CNG; swivels, breakaways, valves and fittings; underground and above ground storage tank equipment, spill containers, overfill prevention devices, secondary containment sumps and flexible piping; tank gauging equipment and automated fuel management systems. OPW is part of the Fluid Management Segment of Dover Corporation (NYSE: DOV).

Petroleum Training Solutions
P.O. Box 80265
Saukville, WI 53080
Tel: 800-505-7884
Contact: Steve Purpora
Email: stevep@protaninc.com
www.USTtraining.org



Booth 313

Petroleum Training Solutions offers comprehensive training opportunities to UST operators, inspector and technicians throughout the United States. PTS is a partnership of Marcel Moreau, Ben Thomas and Steve Purpora, three nationally recognized leaders in UST education, consulting and testing. We focus on down-to-earth information that is practical and relevant to student needs. We have regularly scheduled live seminars at our Wisconsin training facility plus we can travel to your site for live courses. In 2009, PTS will start offering a variety of on-line courses, including "live on-line" webinars for Class A and B operators, as well as Class C operator training. All training content can be customized to client needs. PTS is approved to provide Class A and B operator training in Oregon, Kansas and Colorado.

Regenesis
1011 Calle Sombra
San Clemente, CA 92673
Tel: 949-366-8000
Contact: Lori Muggee
Email: lmuggee@regenesis.com
www.regenesis.com



Booth 114

Regenesis has been the world leader in proven, low-cost, injectable compounds for the in-situ remediation of subsurface contamination since 1994. By offering a range of innovative, enhanced bioremediation and chemical oxidation products, Regenesis provides treatment solutions for most subsurface contaminants. Environmental consulting firms around the world have come to trust and in many cases rely on the world-class technical support provided by Regenesis.

S. Bravo Systems, Inc.
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Commerce, CA 90040
Tel: 323-888-4133
Contact: Paola Recendez
Email: info@sbravo.com
www.sbravo.com



Booth 113

S. Bravo Systems is the leading manufacturer of high performance secondary containment systems. Bravo offers complete secondary containment systems and support that incorporate innovative engineering, industry feedback, and unrivaled customer service to deliver high-end products that protect our ecosystem with a zero-leak standard. Bravo Systems has earned an unparalleled reputation by creating best-of-breed products that offer superb long-term quality and reliability. Our company produces SingleWall and DoubleWall containment sumps in both Steel and Fiberglass including, UDC's, Tank/Turbine Sumps, Vent Transition Sumps, Transition Sumps, Above Ground/Marina Sumps, Commercial Solutions and custom products specifically tailored to meet the customers needs. Other products include the Bravo Conversion Frame, the only SWRCB approved Spill Containment Device, F-Series Fiberglass Penetration Fittings, First ever Monolithic DoubleWall Spill Bucket, Fill and Vapor Swivel Adapters, CARB/UL Vapor Shear Valves and more! Member of PEI. Third Party Approved. UL Approved. CARB Approved. E-85 and Biodiesel Compatible.

Exhibitor Profiles

SWRCB
1001 I Street
Sacramento, CA 95814
Contact: Kevin Graves
Email: kgraves@waterboards.ca.gov
www.swrcb.ca.gov



The State Water Resources Control Board (State Water Board) is the lead state agency in California for the Underground Storage Tank (UST) leak prevention, cleanup, enforcement, and Cleanup Fund programs. The leak prevention program is administered by roughly 100 local agencies (mainly county environmental health and city fire) and consists of approximately 37,000 tanks at 15,000 facilities. The leak cleanup program is administered by both local agencies and Regional Water Quality Control Boards (field offices of the State Water Board), and consists of 45,000 leak sites, of which 32,000 are closed and 13,000 are open. The Cleanup Fund is administered by the State Water Board and generates \$230 million in annual revenue from a petroleum storage fee. As of the end of the fiscal year ended June 30, 2008, the Fund had reimbursed 60,364 claims totaling \$2.41 billion since 1992 and has 4,291 active claims, which may be eligible for a maximum of \$1.5 million each.

Tanknology Inc
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Austin, TX 78759
Tel: 512-459-1459
Contact: Allen Porter
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www.tanknology.com



Booth 201

Tanknology is the largest provider of UST compliance solutions in the world. Our crews provide testing and related services at more than 37,000 sites each year, for customers ranging from the largest oil companies to the smallest individual operators, in every corner of the country. Our services include compliance testing, including tanks, lines and leak detectors, secondary containment testing, cathodic protection services, ATG equipment installation and much more. Tanknology -- for all your compliance needs.

U.S. EPA Office of Underground Storage Tanks
1200 Pennsylvania Avenue, NW
Mail Code 5401P
Washington, DC 20460
Tel: 703-603-7171
Contact: Karen Ellenberger
Email: ellenberger.karen@epa.gov
www.epa.gov/swerust1



The U. S. Environmental Protection Agency's Office of Underground Storage Tanks works with its partners - EPA regions, states, territories, tribes, local governments, regulated community, and industry - to prevent, detect, and clean up releases from the nation's federally-regulated underground storage tanks.

Vaporless Manufacturing, Inc.
8700 E. Long Mesa Dr.
Prescott Valley, AZ 86314
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Contact: Greg Young
Email: vmi@vaporless.com
www.vaporless.com



Booth 211

Vaporless Manufacturing targets Best In Class solutions for line leak detection, AST overflow protection, line leak detector testing equipment, and sump testing equipment. Electronic "problem solvers" the ARM and ISM products, provide solutions for thermal induced slow flow on line leak detection equipment. Education and certifications for line leak detector installation, catastrophic line leak detector testing and sump testing equipment. Equipment compatible with Ethanol, Methanol, Biodiesel, Aviation Fuel, typical gasoline and diesel.

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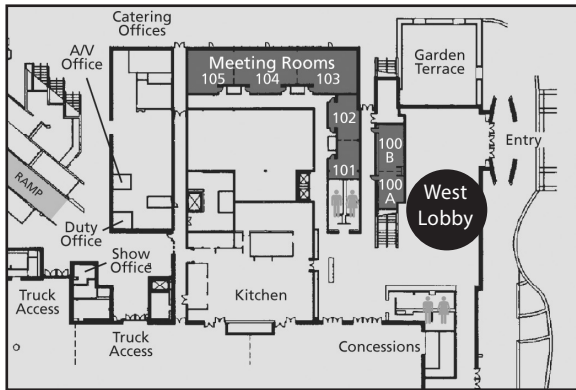


a subsidiary of ZCL Composites Inc.

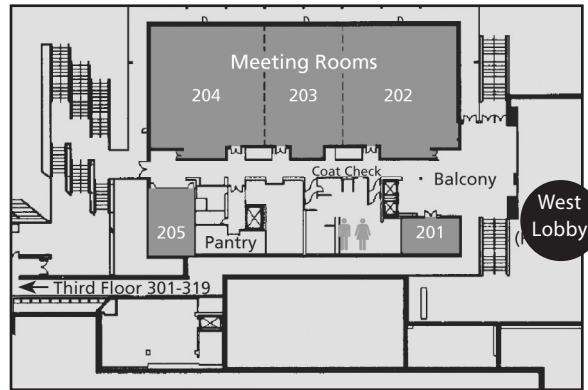
Booth 311

Xerxes Corporation is a leading national manufacturer of fiberglass underground storage tanks for the storage of petroleum products. Xerxes also offers the ZCL Prezerver System, which offers a level of equipment reliability and third-party liability protection unique to the petroleum industry. Tanks are available in single, double, or triple wall ranging in sizes from 600 to 50,000 gallons. Xerxes also manufactures a unique, third party (UL) performance verified, line of oil/ water separators. Visit our Web site at www.xerxes.com.

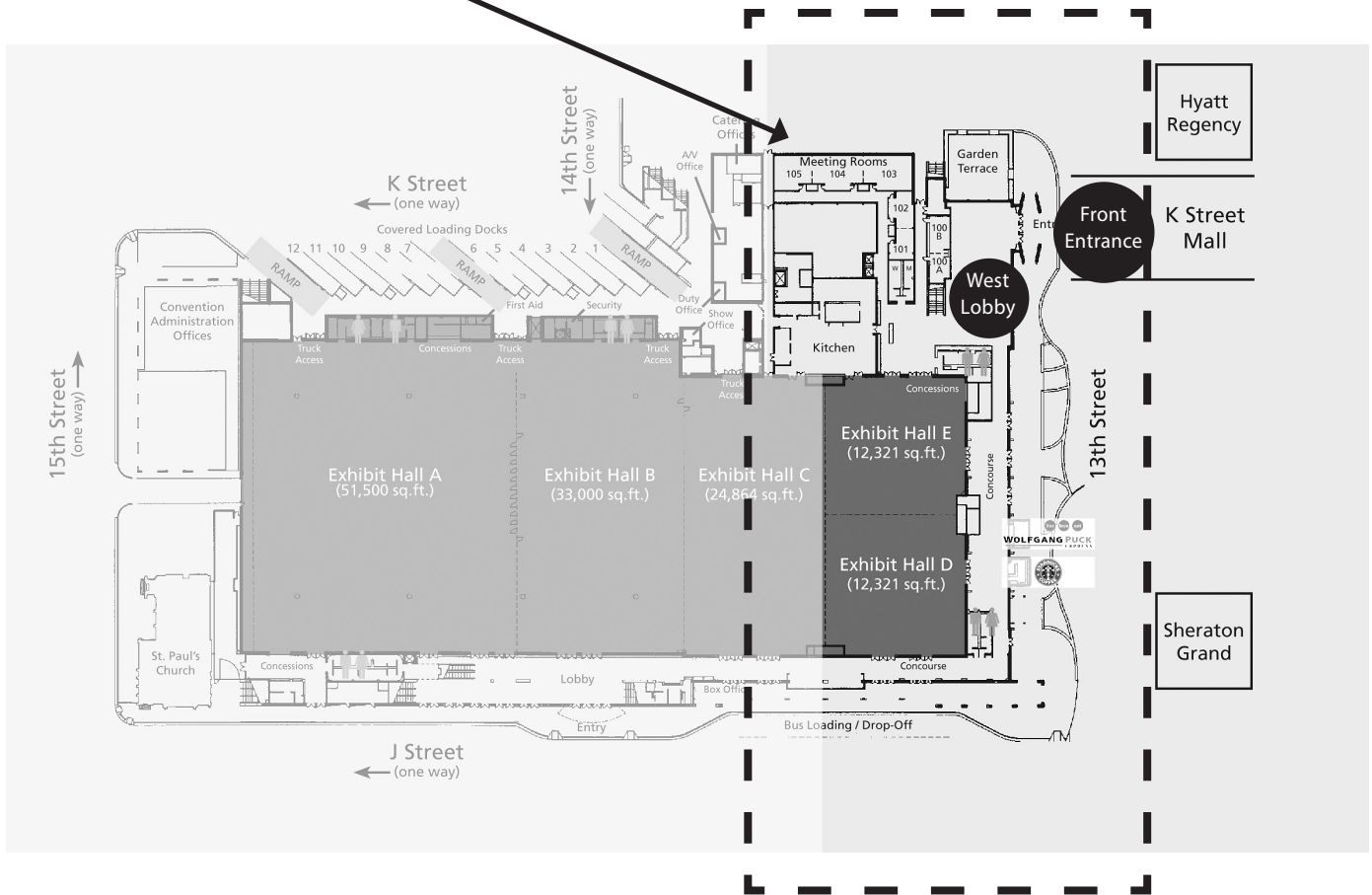
Sacramento Convention Center Floor Plan



First Floor Meeting Rooms



Second Floor Meeting Rooms
(directly above meeting rooms on first floor)



Conference Sessions and Expo Area

EPA Regional UST/LUST Programs

Region 1
 William Torrey, RPM
 Andrea Beland
 Joan Coyle
 Stuart Gray
 Susan Hanamoto
 Shri Parikh
 Kim Schweisberg
 Claire Willscher

Region 2
 Dennis McChesney, RPM
 Edward Guster
 Claudia Gutierrez
 Rebecca Jamison
 Margaret Halley
 Ton Moy
 Paul Sacker
 Frank Spina

Region 3
 Rick Rogers, RPM
 Karen Bowen
 Joanne Cassidy
 Jack Hwang
 Carletta Parlin
 Marie Owens,
 Enforcement

Region 4
 Bill Truman, RPM
 Channing Bennett
 Steve Burton
 Aaryn Casteen
 Mallory Miller
 Ben Singh
 Winston Smith
 Cindy Nolan
 Jason Poe
 Terry Self
 Marilyn Taylor

Region 5
 Laura Lodisio, RPM
 Fred Becker, SEE
 Burdell Chapman, SEE
 Arturo Cisneros
 Gaye Cuerington, APA
 Cindy Dabner
 Kevin Hill
 Mark Restaino
 Sandy Siler
 Estelle Patterson
 Sharon Lowery-Martin

Region 6
 Willie Kelley, RPM
 Christine Cherrett
 Tracie Donaldson
 Sherry Fuerst
 Audray Lincoln
 Vic Palmer
 Greg Pashia
 Stephen Sturdivant
 Larry Thomas
 Joe Womack

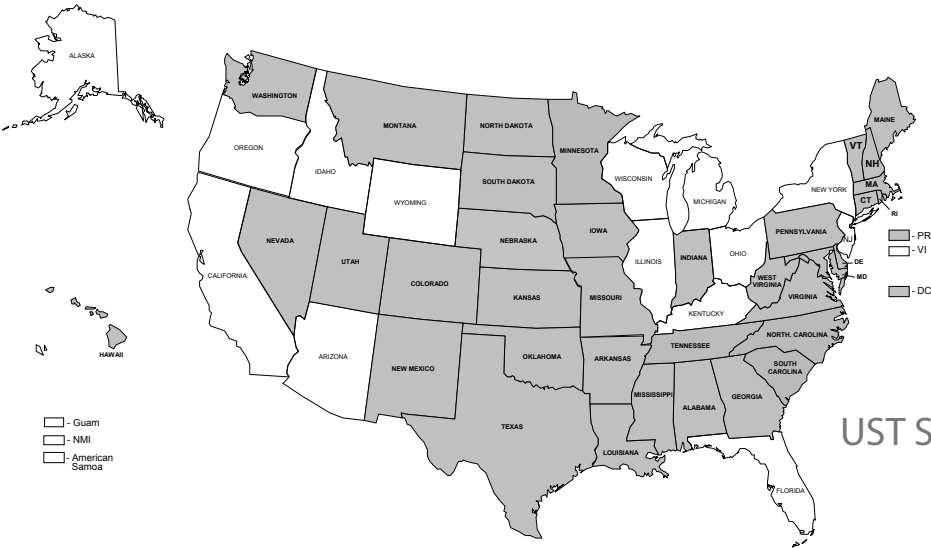
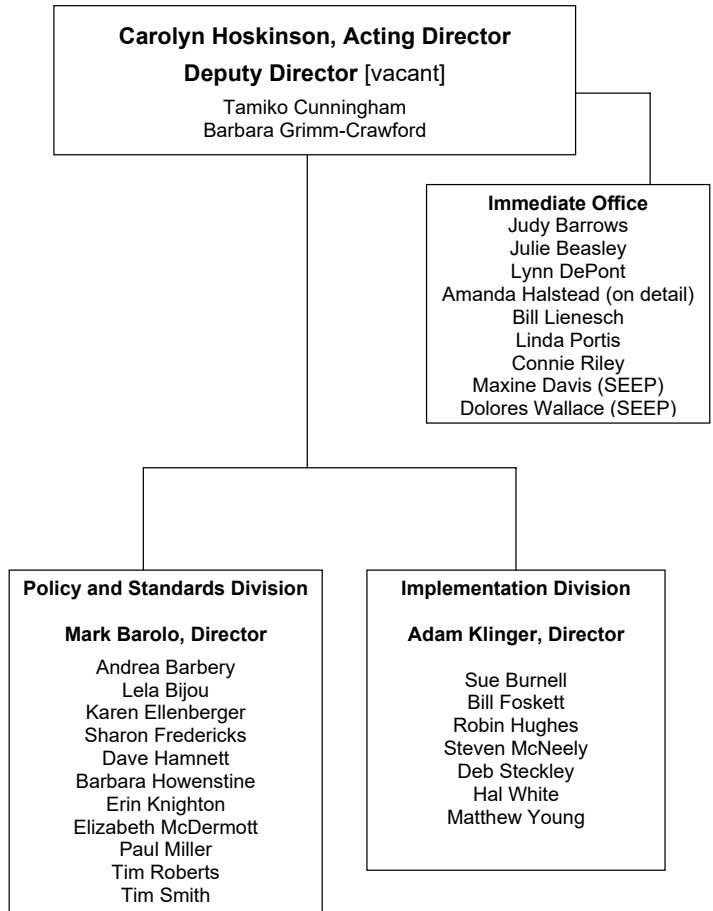
Region 7
 Stanley Walker, RPM
 Bjorn Brinkman
 Ward Burns
 Wilfredo Chapparo
 Jim Clemenson
 Robert Coleman
 Linda Garwood
 Alan Hancock
 Paula Higbee
 Victoria Matthews
 Connie Novak
 Peter Sam

Region 8
 Steven Pratt, RPM
 Nadine Carlile, SEE
 Artulia Carroll
 Francisca Chambus
 Ray Faliskie
 Chris Guzzetti
 Darla Hohman
 Lisa Luebke
 Tillman McAdams
 Bob Near
 John Patten
 Janice Pearson

Region 9
 Steven Linder, RPM
 Laurie Amaro
 Rhonda Berbert
 Walter Guggenheimer
 Mary Keil
 Jonathan Leong
 Eric Magnan
 Bobby Ojha
 Chris Prokop
 Tess Salire
 La Donna Thomas
 Carl Warren
 Maggie Witt
 Svetlana Zenkin

Region 10
 Peter Contreras, RPM
 Todd Bender
 Carlo Bertani
 Charlotte Bouлинд-Young
 Anne Christopher
 Robert Cutler
 Jim Greeves
 Katie Griffith
 Deborah Hilsman
 Ben Horwitz
 Ron Rau
 Phil Nenninger, IHS

EPA Office of Underground Storage Tanks



UST State Program Approval Status
 February 2009

Approval Status

Final – 36 States, District of Columbia, Puerto Rico

Poster Sessions

Don't miss the walking poster sessions hosted by noted ORD scientists and experts in the field! These walking tours will include a brief introduction to the topic by the host followed by 2 to 3 minute presentations from each of the poster authors. You will then have ample time to discuss questions in more depth with the tour host and poster authors. Allow 30 to 40 minutes for each tour. Please join us for this fun new event!

Walking Poster Tour Schedule: (meet in the poster area in the expo hall)

Monday, March 30, 6:00 PM

LUST Biodegradation - Dr. John Wilson, U.S. EPA Research Lab, Ada OK1 UST Compatibility

LUST Cleanup - Dr. Jim Weaver, U.S. EPA Research Lab, Athens, GA1 LUST Ruelentrant

Tuesday, March 30, 4:00 PM

UST Compatibility/Compliance - Dr. Matt Small, U. S. EPA Region 9, San Francisco, CA

LUST Recalcitrant Compounds - Dr. Jim Weaver, U.S. EPA Research Lab, Athens, GA

Helping Green Up Greensburg...After the Disaster; Emily McGuire, Kansas Department of Health and Environment, emcguire@kdheks.gov

Summation of Region 8 UST Program Remedial Action Group; Ray Faliskie, EPA Region 8, Faliskie.raymond@epa.gov

Compliance Binder for Underground Storage Tank Owners and Operators; Robert Rapista, San Diego County Dept. of Environmental Health, obert.rapista@sdcounty.ca.gov

Data Evaluation of In-Situ Chemical Treatment for Groundwater Contamination Remediation of LUST Sites; Weixing Tong, Yue Rong, LA Regional Water Quality Control Board, wtong@waterboards.ca.gov, Yrong@waterboards.ca.gov

Ten Things You Can Do to Complete Cleanup and Close Your Leaking Underground Storage Tanks Site Faster; Weixing Tong, Yue Rong, LA Regional Water Quality Control Board, wtong@waterboards.ca.gov, Yrong@waterboards.ca.gov

Expedited Agency Oversight Program (EAOP) for Major Oil Company Low Priority UST Cases in Los Angeles Area, CA; Weixing Tong, Yue Rong, LA Regional Water Quality Control Board, wtong@waterboards.ca.gov, Yrong@waterboards.ca.gov

Biodegradation Rates Determined With Multiple Push-Pull Tests at Vandenberg AFB Site 60; Doug Mackay¹, Bruce Bauman², ¹UC Davis, dmmackay@ucdavis.edu, ²API, bauman@api.org

Pilot Tests of Groundwater Recirculation For In Situ Aerobic Treatment of MTBE and TBA at a Research Site at Vandenberg AFB, CA; Laleh Rastegarzadeh, UC Davis Department of Land, Air and Water Resources, lrastegarzadeh@ucdavis.edu

Modeling of Fate and Remediation at a Research Site at Vandenberg AFB, CA; Ehsan Rasa, UC Davis Department of Civil and Environmental Engineering, erasa@ucdavis.edu

Sensitivity Of Microbial Communities Exposed To Ethanol, MTBE and TBA Plumes; Irina Chakraborty, UC Davis Department of Civil and Environmental Engineering, ior@ucdavis.edu

Microbially Mediated Production and Degradation Of TBA Under Anaerobic Conditions; Irina Chakraborty, UC Davis Department of Civil and Environmental Engineering, ior@ucdavis.edu

Stable Isotope Probing and Molecular Analyses of Aerobic Oxygenate-Metabolizing Bacteria from Bio-GAC Reactors; Michael Hyman, North Carolina State University, mrhyman@ncsu.edu

Three Novel, Anaerobic Cultures that Degrade MTBE with Fe(III)/AQDS, Sulfate, and Fumarate as Electron Acceptors, Respectively; Na Wei, University of Illinois at Urbana-Champaign, nawei2@illinois.edu

Biodegradation of Tert-butyl Alcohol (TBA) Using Biological Granular Activated Carbon (BioGAC); Kayleigh Ann Dunnett, University of Illinois at Urbana-Champaign, kaydunnett@gmail.com

MTBE and Ethanol Behaviour Following A Gasoline Spill in the Unsaturated Zone; Juliana Freitas, University of Waterloo Department of Earth and Environmental Sciences, jgardena@scimail.uwaterloo.ca

Field Test of 3 Releases With Different Ethanol Fractions; Juliana Freitas, University of Waterloo Department of Earth and Environmental Sciences, jgardena@scimail.uwaterloo.ca

Remediation of LNAPL Residuals in the Borden Aquifer Using Two Sparging Techniques; Jennifer Lambert, University of Waterloo Department of Earth and Environmental Sciences, lambert_j_m@yahoo.com

Summary of Salient Findings of "Natural Attenuation of the Lead Scavengers 1,2-Dibromoethane (EDB) and 1,2-Dichloroethane (1,2-DCA) at Motor Fuel Release Sites and Implications for Risk Management"; John T. Wilson, USEPA, wilson.johnt@epa.gov

Poster Sessions

Anaerobic Biodegradation of Biofuels (Ethanol and Biodiesel) and Proposed Biofuels (n-Propanol, iso-Propanol, n-Butanol, 2,5-Dimethylfuran) in Aquifer Sediment; Cherri Adair, USEPA, adair.cherri@epa.gov

LUST Corrective Action Training; Matthew Young, USEPA, young.matthew@epa.gov

Effects of Biofuels (Ethanol and Biodiesel) on the Integrity of Underground Storage Tank Systems; Michelle Simon, USEPA, simon.michelle@epa.gov

Using Simple Field Instruments to Monitor for Biological Production of Methane at Gasohol Spill Sites; Ken Jewell, USEPA, jewell.ken@epa.gov

Successful Application of an Old "Total Petroleum Hydrocarbon" Method to Determine Biodiesel in Aquifer Sediment; Cherri Adair, USEPA, adair.cherri@epa.gov

UST Program: Where We've Been and Where We Are Going; Matt Small, Steven Linder, USEPA Region 9, small.matthew@epa.gov, Linder.steven@epa.gov

Gasoline Composition: Temporal Trends, Historical Lead Scavenger Data and Effects of Ethanol; Jim Weaver, USEPA, weaver.jim@epa.gov

Modeling the Transport of Ethanol Fuel Blends with the Combined HSSM and MT3D Models; Jim Weaver, USEPA, weaver.jim@epa.gov

Compliance Assistance in Indian Country: Challenges and Successes; Pinu'u Stout, Eight Northern Indian Pueblos Council, pinuu.stout@gmail.com

Vapor Intrusion Screening Criteria for Dissolved Petroleum Hydrocarbons; Robin Davis, UT DEQ, rvdavis@utah.gov

Using TPH Distribution at Fuel Release Sites to Calibrate the J & E Model: Understanding the Transport of Vapors in Soil Gas to Assess the Potential for Vapor Intrusion; Cynthia J. Paul¹, Dominic DiGiulio¹, John T. Wilson¹, Ken Jewell¹, John Menatti², Robin Davis², ¹USEPA, Paul.Cindy@epa.gov, Wilson.JohnT@epa.gov, digiulio.dominic@epa.gov, jewell.ken@epa.gov, ²UT DEQ, jmenatti@utah.gov, rvdavis@utah.gov

Natural Attenuation of BTEX in Groundwater Impacted by Ethanol-Blended Fuels; Pedro Alvarez¹, Diego Gomez¹, Bill Rixey², Yongzhi He², ¹Rice University, alvarez@rice.edu, degomez@rice.edu, ²University of Houston, wrixey@uh.edu, yhe10@mail.uh.edu

Evaluating Soil-Vapor Extraction Progress for an LNAPL and Oxygenate Source Zone; C. F. (Rick) Ahlers, Eric M. Nichols, LFR (an ARCADIS Company), Eric. Nichols@lfr.com, Rick.Ahlers@lfr.com

Monitoring of Gasoline-Range Contaminant Attenuation by Stable Isotope Analysis; Tomasz Kuder, Paul Philp, University of Oklahoma School of Geology and Geophysics, tkuder@ou.edu, pphilp@ou.edu

Pre-Conference Workshops / Session Abstracts

n Pre-Conference Workshops - Sunday, March 29, 2009

Green Remediation: The Sustainable Remediation Forum (SURF)

Sunday, March 29, 2009, 1:00 to 5:00 PM
Holiday Inn - Hermosa

Presented by: Curtis Stanley, Shell Global Solutions; Kevin Graves, California State Water Resources Control Board; Paul Hadley, California Department of Toxic Substances Control; Steve Linder, U.S. Environmental Protection Agency, Region 9; Erica Becvar, HQ AFCEE/TDV; Hernando Albarracin, Illinois Environmental Protection Agency; Stephanie Fiorenza, BP America

Green Remediation: The Sustainable Remediation Forum (also known as SURF) is a multistakeholder organization that is developing a White Paper around sustainable or green remediation. There is also a pilot program to review sustainability issues related to UST remediation systems in CA that is just starting.

Assessing Vapor Intrusion at Petroleum Release Sites

Sunday, March 29, 2009, 1:00 to 5:00 PM
Holiday Inn - Granada

Presented by: Robin Davis, Utah Department of Environmental Quality; Todd Ririe, BP; Blayne Hartman, H&P Mobile Geochemistry; George DeVaul, Shell Global Solutions

Biodegradation results in significant attenuation of petroleum vapors in the vadose zone. The goal of this workshop is to provide regulators with the most up-to-date, cost effective strategies for verifying bioattenuation and determining the significance of the vapor intrusion pathway. The workshop will emphasize principals of vapor movement and attenuation, site conceptual model development, collection of high quality data and modeling vapor attenuation.

Cathodic Protection and Testing for Underground Storage Tank Systems

Sunday, March 29, 2009, 1:00 to 5:00 PM
Holiday Inn - Balboa/Calaveras

Presented by: Paul Miller, U.S. Environmental Protection Agency OUST; Lorri Grainawi, Steel Tank Institute; Kevin Henderson, Mississippi Department of Environmental Quality

This workshop will be tailored to inspectors and others who review cathodic protection test results and will provide an understanding of corrosion protection as it relates to underground storage tank systems. Presenters with significant experience with corrosion and cathodic protection will provide information on the following: the two types of external corrosion protection commonly used for underground storage tank systems impressed current and galvanic anode cathodic protection; how cathodic protection tests are conducted; cathodic protection test criteria; and understanding cathodic protection test results.

n Cleanup - Monday, March 30, 2009

Risk: It Isn't Just A Game, 10:30 AM-12:00 PM, Room 202

This session is an eclectic mix of topics associated with risk. The presentations will cover three topics associated with risk: how soil characteristics will influence risk and contaminant target levels for exposure; the risk to groundwater and drinking water in New Hampshire from the contaminant, ethylene dibromide, that many of us had thought "It's been 20 years since this was in gasoline, I'm sure it's all gone by now"; and finally just because the public is served by a water main, it doesn't mean they are not at risk - how gasoline contaminants permeated a water main in New Mexico made of PVC pipe and the actions taken to address the problem.

Kenneth Richards, Hydrogeologist, New Hampshire Department of Environmental Services; Atul Salhotra, Vice President, RAM Group of Gannett Fleming; Mike McVey, Senior Hydrogeologist, Daniel B. Stephens & Associates; Susan von Gonten, Geoscientist, New Mexico Environment Department; Moderated by Fred McGarry, Assistant Director, New Hampshire Department of Environmental Services

Vapor Intrusion, 1:30 PM - 3:00 PM, Room 202

This session will provide information on vapor intrusion of petroleum hydrocarbons. The session will include a summary of recent State and Federal vapor intrusion guidance documents, information on what States are doing with vapor intrusion from a November 2008 ASTSWMO Information Exchange Survey, an update on the national petroleum vapor database, a presentation on biodegradation of petroleum hydrocarbon vapors in the vadose zone, and a presentation on the BioVapor Model that incorporates biodegradation of petroleum hydrocarbon vapors in the vadose zone to screen sites for vapor intrusion.

Robin Davis, Geologist, Utah Department of Environmental Quality; Dr. John Wilson, Microbiologist, U.S. Environmental Protection Agency; Dr. Thomas McHugh, Vice President, SI Environmental; Moderated by John Menatti, PST Fund Manager, Utah Department of Environmental Quality

Fundamentals of Site Assessment, 3:30 PM - 5:00 PM, Room 202

Everything you ever wanted to know about conducting a site assessment for the cleanup of petroleum storage tanks, including types of rigs and their tools, how to take soil and groundwater samples, which analyses to run, and the importance of COC's in lab data. What does smear zone, vadose zone, PID, FID, SPLP, High Medium and Low, and headspace mean? How to construct monitoring wells and choose screen intervals and identify and describe the lithology. When to install horizontal and vertical extent monitoring wells. What is a perched aquifer and the potentiometric surface? What to use to screen soil by OVA's. How to assess free product. Identifying and plotting data trends. Compiling the report, and much more.

Moderated by Donna Burmeister, Professional Geologist, Florida Department of Environmental Protection

Session Abstracts

n Prevention - Monday, March 30, 2009

Operator Training, 10:30 AM - 12:00 PM, Room 204

The deadline (August 8, 2009) to comply with EPA's Operator Training guidelines is quickly approaching. States are in the process of putting finishing touches on their individual programs. This session aims to provide a forum to openly discuss key elements necessary to include in a successful operator training program. Experience from two states' perspectives will be provided. One perspective will be conveyed by walking the audience through a comprehensive checklist that details key elements of an efficient and effective operator training program. The other perspective will highlight experiences with regulatory development of each EAct requirement (with focus on operator training) through development of the state's ICC exam. The discussion will be taken beyond operator training to a focus on leveraging EAct for operational compliance. In addition, the Moderator will discuss efforts underway or planned by other states to meet requirements of the operator training guidelines.

Mahesh Albuquerque, Director, Division of Oil and Public Safety, Colorado Department of Labor and Employment; Jennifer Pruett, Tank Fee Manager, New Mexico Environment Department; Doug Hatch, Test Developer, Program Manager, Certification and Testing International Code Council, Inc; Moderated by Tim Smith, Environmental Protection Specialist, U.S. Environmental Protection Agency OUST

Getting Out of Your Liquid Reality: Why UST Regulators Should Care About the New Air Quality Rules, 1:30 PM - 3:00 PM, Room 204

How often have you heard a UST inspector, when asked about vapor recovery, answer "not my problem"? Those days are over. New Air Quality regulations (NESHAP Subpart CCCCCC) will have a direct impact on thousands of UST owners, many of whom either don't have Stage I vapor recovery equipment (yet), have the wrong equipment, or don't even know what vapor recovery is. This session brings in perspectives from a rulemaker, an equipment manufacturer and a tester to help attendees understand what impact (good or ill) these new rules will have on regulator and regulated alike.

Marcel Moreau, Principal, Marcel Moreau Associates; Brad Hoffman, Vice President of Research and Development, Tanknology; Steve Shedd, U.S. Environmental Protection Agency; Moderated by Ben Thomas, Partner, Petroleum Training Solutions

Compliance Testing, 3:30 PM - 5:00 PM, Room 204

20 Years of UST Compliance Testing: A retrospective. This presentation will provide a detailed overview of the past 20 years of UST compliance testing. It will include the chronological evolution of testing, certification and inspection requirements, and present statistical results as they have evolved over this period. This presentation will be a retrospective of how far we have come over this 20-year span and of what has been accomplished toward the fundamental objective of protecting the environment from UST-related contamination. It will be of equal interest to those seasoned industry professionals who have come along for the ride, as well as those who joined it somewhere along the way.

Brad Hoffman, VP Engineering, Tanknology, Inc.; Willo Smith, Director of Gasoline Compliance, 7-Eleven, Inc.; Marshall Mott-Smith, President, Mott-Smith Consulting Group, LLC; Moderated by Brad Hoffman, VP Engineering, Tanknology, Inc.

n Cleanup Policy/Mangement - Monday, March 30, 2009

States Only Meeting, 10:30 AM - 12:00 PM, Room 203

Moderated by Walter Huff, Chief, Mississippi Department of Environmental Quality

Alternate Fuels, 1:30 PM - 3:00 PM, Room 203

They are here but what do we know about them? Once they escape how do they move? What special properties do they have and how do we fight them? How do we cleanup the mess they leave behind? Please come and listen to the men that have battled against alternative fuels and what they have learned about them. Take home this new information and we hope it will help in your struggle against the enemy.

Roy Spaulding, Professor, University of Nebraska; Jim Weaver, Hydrologist, U.S. Environmental Protection Agency; Cheri Adair, Environmental Scientist, U.S. Environmental Protection Agency; Moderated by Walter Huff, Chief, Mississippi Department of Environmental Quality

Pulse of the Nation, 3:30 PM - 5:00 PM, Exhibit Hall C

The objective of this session is to provide a comprehensive look at the important things that are taking place within each state program throughout the nation. A representative from every state will have the opportunity to describe what is going on in their program. Although the time will be short, only 2 minutes per state, it should be sufficient to highlight special successes, innovations or challenges that they have undertaken in the past few years. There is no need to go into detail because other states will be encouraged to seek out more information during the informal networking throughout the conference. Each state will have one seat assigned at the table. Other conference participants are invited to sit in the audience section.

Moderated by Dennis Rounds, Executive Director, South Dakota Office of Risk

monday continued next page ►

Session Abstracts

n Meetings - Monday, March 30, 2009

EPA Only Meeting, 10:30 AM - 12:00 PM, Room 103-104

Moderated by Mark Barolo, Director, U.S. Environmental Protection Agency OUST

Tribal Only Meeting, 10:30 AM - 12:00 PM, Room 105

Moderated by Ken McBride, Red Lake Band of Chippewa Indians and Robert Largent, Inter-Tribal Environmental Council

State Fund Managers Meeting, 1:30 PM - 3:00 PM, Room 105

Moderated by Chuck Schwer, Section Chief, Vermont Agency of Natural Resources

Tribal/EPA Meeting, 1:30 PM - 3:00 PM, Room 103-104

Moderated by Ken McBride, Red Lake Band of Chippewa Indians and Robert Largent, Inter-Tribal Environmental Council

n Cleanup - Tuesday, March 31, 2009

Green Remediation, 8:00 AM - 9:30 AM, Room 202

This session will introduce attendees to the efforts being promoted to reduce the unintended environmental effects of cleanups at LUST sites. First Illinois will present their efforts by presenting their Environmental Matrix to assist with more environmentally sustainable cleanups. Next EPA Region IX will present their efforts in California in this area. Lastly, the US Air Force will present their efforts in this area, including a web page built to assist in performing "Greener" Cleanups.

Eric Magnan, U.S. Environmental Protection Agency Region 9; Erica Becvar, AFCEE Technology Transfer, Restoration Branch, AFCEE/TDV; Hernando Albarracin, LUST Section Manager, Illinois Environmental Protection Agency; Moderated by Brigid Lowery, U.S. Environmental Protection Agency OSWER

Innovative Technology #1, 10:00 AM - 11:30 AM, Room 202

Tired of watching the same old technologies grind away on your chronic sites? Frustrated by your limited funding being consumed by remediation strategies of limited efficacy? Looking for current insights on recent promising technologies? Then this session is for you! Speakers will describe LNAPL recovery success stories, share experience with a promising technology from last year's conference and present a strategy for reducing costs at sites that are under remediation. Attend this session and be prepared to be inspired, instructed and enlightened!

Nicholas Haddad, Vice President, Technology, Engineering and Construction Inc.; Virginia Esmond, Environmental Scientist, Oregon Department of Environmental Quality; Jeff Kuhn, Manager, LUST/Brownfields Program, Montana Department of Environmental Quality; Moderated by Stephen Reuter, Geologist, Manager, New Mexico Environment Department

Innovative Technology #2, 1:30 PM - 3:00 PM, Room 202

This session will continue the discussion of promising technologies to be considered when attempting to marry site specific conditions to the appropriate remedial method(s). The session will also identify and explore emerging technologies that can improve the efficacy and reduce the lifetime costs of ex-situ remediation projects.

Nicholas Haddad, Vice President, Technology, Engineering and Construction Inc.; Alan Seech, CEO and Director of Technology, Adventus Group; Bruce Thurlby, President, Bioremediation Services, Inc.; Moderated by Ben Wright, California State Water Resources Control Board

n Prevention - Tuesday, March 31, 2009

Managing Emerging Fuels, 8:00 AM - 9:30 AM, Room 204

As fuels continue to evolve from the simple form of petroleum with increase in additives, how do we manage/regulate these emerging fuels? The session will primarily discuss factors (compare and contrast differences) for release prevention (compatibility) and cleanups related to conventional fuels, biofuels, and other emerging fuels.

Andrea Zajac, Chief, Storage Tank Unit, Michigan Department of Environmental Quality; Bruce Bauman, Soil/Groundwater Research Program Coordinator, American Petroleum Institute; Curtis Stanley, Global Discipline Leader - R&D and Advocacy, Shell Global Solutions (US); Moderated by Jeff Scott, Director, U.S. Environmental Protection Agency Region 9

Leak Detection and Alternative Fuels, 10:00 AM -11:30 AM, Room 204

The use of alternative fuels continues to rise as fuel suppliers across the country strive to meet federal mandates. While much discussion has centered on the compatibility of tank and piping materials with biofuels, leak detection systems have received less attention. This session will focus on leak detection equipment used in USTs storing biofuels and biofuel blends, and will identify a number of compatibility and functionality issues that UST policy makers should be aware of. During this session, presenters will discuss potential compatibility and functionality concerns with ATG probes, questions related to water ingress and phase separation, and manufacturer claims from the leading UST leak detection manufacturers.

Greg Baretta, Engineering Consultant, Petroleum Products and Tanks, Wisconsin Department of Commerce; Kevin Henderson, UST Manager, Mississippi Department of Environmental Quality; Alison Hathcock, UST Permitting Coordinator, South Carolina Department of Health and Environmental Control; Moderated by Andrea Barbery, Environmental Engineer, U.S. Environmental Protection Agency OUST

Compliance Assistance, 1:30 PM - 3:00 PM, Room 204

Lamar Bradley, Assistant Director in the Tennessee Division of Underground Storage Tanks, will provide information on the Tennessee Underground Storage Tank Owners Compliance Toolbox, a CD which the agency provides to every tank owner in the state to assist them on reaching compliance. Ken McBride, Environmental Program Director for the Red Lake Band of Chippewa Indians, located in northern Minnesota, will discuss the use of an EPA Direct Implementation Tribal Cooperative Agreement (DITCA) to assist tribal facilities to reach compliance, and his experiences in providing assistance to several tribes in Minnesota. Finally, Eric Magnan, EPA Region 9 UST Grant Officer and Inspector, will offer success stories and discuss challenges and lessons learned from performing compliance assistance for facilities in Arizona and the Pacific Islands.

Lamar Bradley, Assistant Director, Division of Underground Storage Tanks, Tennessee Department of Environment and Conservation; Ken McBride, Environmental Program Director, Red Lake Band of Chippewa Indians; Eric Magnan, EPA Region 9 UST Grant Officer and Inspector, U.S. Environmental Protection Agency, Region 9; Moderated by Ken McBride, Environmental Program Director, Red Lake Band of Chippewa Indians

n Cleanup Policy/Mangement - Tuesday, March 31, 2009

Backlog, 8:00 AM - 9:30 AM, Room 203

The Underground Storage Tank program has cleaned up 377,019 sites in its relatively short history, yet the program continues to mature. As leak prevention methods stem the tide of incoming cleanup sites and pressures to achieve cleanups are increasing, many state programs are finding innovative ways to investigate their cleanup backlog and complete more cleanups. Many types of initiatives have been carried out by the states, including targeting particular subsets of sites with similar characteristics, increasing staff capacity to review cases, and managing funds differently. In this session we will hear from three states that have taken diverse approaches to addressing their cleanup backlogs on their own: how they implemented the process, their results, and lessons learned.

Chris Veit, Missouri Department of Natural Resources; Allan Patton, Assistant Deputy Director, California State Water Resources Control Board; Emily McGuire, Kansas Department of Health and Environment; Moderated by Robin Hughes, Environmental Protection Specialist, U.S. Environmental Protection Agency OUST

Petroleum Brownfields - Recent Revitalization Projects, 10:00 AM - 11:30 AM, Room 203

This session will provide insights into the level of coordination and collaboration occurring at the regional, state and local level to enhance the implementation of petroleum provisions of the brownfields law. The session will provide insights secured from the vanguard practitioners that have experience using available resources and tools to enhance petroleum revitalization efforts. The panel will discuss various state experiences; share insights on the level of involvement associated with the revitalization of a site for use as a school and, the approaches being used to document and transfer best practices.

Channing Bennett, UST Reuse Coordinator, U.S. Environmental Protection Agency, Region 4; Gary Lynn, Manager, Petroleum Sites Investigation & Remediation, New Hampshire Department of Environmental Services; Jim Glass, Western Region Petroleum Brownfield Coordinator, Oregon Department of Environmental Quality; Moderated by Steve McNealy, Environmental Specialist, U.S. Environmental Protection Agency OUST and Jim Glass, Petroleum Cleanup & Redevelopment Specialist, Oregon Department of Environmental Quality

Petroleum Brownfields - Linking Cleanup and Revitalization, 1:30 PM - 3:00 PM, Room 203

Federal, state and tribal program representatives will describe their respective efforts to develop and implement brownfields programs. These presentations will cover the challenges and successes of developing effective tools for managing and operating integrated programs. Time will be allotted for discussing these program enhancement opportunities.

Sandeep R. Burman, Supervisor, Petroleum Remediation Unit 2, Minnesota Pollution Control Agency; Victoria Flowers, Environmental Specialist - Brownfields, Oneida Tribe of Indians of Wisconsin, Environmental Health & Safety Division; Myra Blakely, Deputy Director, U.S. Environmental Protection Agency, OBLR; Moderated by Jim Glass, Petroleum Cleanup & Redevelopment Specialist, Oregon Department of Environmental Quality and Steve McNealy, Environmental Specialist, U.S. Environmental Protection Agency OUST

Session Abstracts

n Funding and Accountability - Tuesday, March 31, 2009

What Leaked, Why Did It Leak, and Who Pays?, 8:00 AM - 9:30 AM, Room 103-104

UST regulators, LUST regulators, fund managers and others will want to attend this session. You'll hear a description and see pictures of a UST leak caused by defective products. Attendees will be polled on how their state would handle the investigation and cleanup. Then two excellent speakers will explain the "nuts and bolts" of how to investigate and document the source and cause of UST leaks and how to "persuade" others to pay for the cleanup when negligent manufacture or installation of equipment caused the release. The session will offer practical ideas you can use in your state to make the "real responsible party" pay, and to focus your training, inspection and compliance efforts. Questions and comments from session attendees will be encouraged!

James Miceli, Claims Manager, Pennsylvania UST Fund; Tom Schruben, Partner; Tom Schruben ACRM, LLC; Moderated by Carol Eighmey, Executive Director, Missouri PSTIF

Expedited Enforcement, 10:00 AM - 11:30 AM, Room 103-104

What if "Indiana Jones" was a regulator? He would need to know the latest procedures on evaluating fuel releases in the jungle, cracking his whip in Colorado and moving rapidly through the enforcement process in Oregon. This session will present a myriad of enforcement approaches from three very different regions. From the jungles of the Northern Marianas Islands to the Rocky Mountains, state and federal regulators have a variety of challenges facing them regarding enforcement of the underground storage tank regulations. Mimi Newton will present a unique presentation on the challenges of undertaking investigations and corrective actions at World War II vintage fuel storage facilities. Who is responsible for the releases at a site like this? We will then move east to Oregon where Tracy England will present Oregon's expedited approach to their enforcement program. O'Deana Wilson will present Colorado's approach of the "dangling carrot and the cracking of the whip".

O'Deana Wilson, Technical Specialist, Colorado Division of Oil and Public Safety; Mimi Newton, Assistant Regional Counsel, U.S. Environmental Protection Agency, Region 9; Tracy England, UST Inspector, Oregon Department of Environmental Quality; Moderated by Dorothy Malaier, Chief, Alabama Department of Environmental Management

Cost Control, 1:30 PM - 3:00 PM, Room 103-104

State funds are facing tough economic times. Revenues are down, costs are on the rise, and citizens expect good services. How are state funds adjusting to these challenges? Speakers in this session outline innovative ways their states tackled this ongoing problem.

Marybeth Glaser, Reimbursement Team Leader, Virginia Department of Environmental Quality; Jane Bral, State Fund Manager, Colorado Division of Oil and Public Safety; Chuck Williams, Environmental Administrator, Florida Department of Environmental Protection; Moderated by Betty Lamp, Virginia Department of Environmental Quality

n Cleanup - Wednesday, April 1, 2009

Site Assessment, 8:30 AM - 10:00 AM, Room 202

Failure to obtain cleanup goals after application of remediation methods is often the result of incomplete vertical delineation of plumes. Two case studies showing how this problem can be avoided will be presented. Another technology useful for performing detailed site assessments is Electrical Resistive Imaging (ERI). ERI data is used to create 3-D cross-sections of contaminant plumes, which graphically depict the plume area and varying degrees of contamination within the plume. Three case studies showing how ERI can improve the site assessment process will be presented. Use of a Membrane Interface Probe (MIP) during site assessment can greatly expand knowledge of contaminant mass as it relates to lithology at sites. This expanded knowledge can make design of UST Remediation Systems much more effective and help trouble shoot existing remediation systems to optimize their performance. Case studies will be presented showing how MIP results can be used to support in-situ remedial design of mechanical and in-situ injection remediation technologies. Additionally, case studies showing how use of Geoprobe's Hydraulic Profiling Tool (HPT) can be used to support placement of mechanical and insitu injection remedial technologies will be presented.

Leonard Billingsley, Premature Remediation, Oklahoma Corporation Commission; Eliot Cooper, Vironex, Inc.; Lee Taylor, Senior Engineer/District Manager, PPM Consultants, Inc.; Moderated by Joel Coffman, Environmental Specialist, U.S. Environmental Protection Agency Region 9

Challenges to Cleanup Completion, 10:15 AM - 11:45 AM, Room 202

Environmental professionals often encounter sites that present unique challenges for reaching remedial endpoints. Complex geology, tidal influence, expedited timeframes, large LNAPL plumes, or a combination of such factors can all present obstacles to cleanup completion. Environmental professionals must overcome these obstacles through an in depth understanding of the controlling factors driving the fate and transport of the petroleum contamination at a site, and subsequent application of innovative remedial solutions designed to account for unique site conditions. This session presents three case studies where such challenges were encountered and innovative methods were employed to select remedial endpoints and/or methods to address these controlling factors.

Alex Wardle, Environmental Geologist, Virginia Department of Environmental Quality; Charles Whisman, Vice President of Engineering, Groundwater & Environmental Services, Inc.; Pat Hughes, Senior Environmental Project Manager, Chevron Environmental Management Company; Moderated by Mallory Miller, Hydrogeologist, U.S. Environmental Protection Agency Region 4

Session Abstracts

n Prevention - Wednesday, April 1, 2009

Inspections and Outreach, 8:30 AM - 10:00 AM, Room 204

Presentations on unique approaches to inspection management and productivity along with perspectives from a third-party inspector/compliance manager/testing agent will offer attendees tools, techniques, and ideas that have direct application for the compliance inspection goals under the UST Compliance Act provisions of the Energy Policy Act. Heather Peters from Missouri's Tank Compliance and Enforcement group will discuss how they have benefited from a unique "composite inspection strategy". Ralph Acierno, UST Inspector from Colorado, will present techniques, management tools, and processes they have used to boost productivity and accuracy in their compliance inspection efforts. Ed Kubinsky from Crompco, a full service UST testing, compliance management and maintenance company, will talk about compliance efforts up and down the Eastern Seaboard; what works and what doesn't based on his experiences.

Ed Kubinsky, Third Party Inspection Provider, CROMPCO - A Full Service UST Test and Maintenance Company; Ralph Acierno, UST Inspector, Colorado Department of Labor and Employment; Heather Peters, Environmental Specialist, Tanks Compliance and Enforcement, Missouri Department of Natural Resources; Moderated by John 'Trey' Morgan, Compliance Coordinator, South Carolina Department Of Health And Environmental Control

RPS and Standards, 10:15 AM - 11:45 AM, Room 204

James S. White, Environmental Compliance & Regulatory Affairs Manager, BP US Convenience Retail; Bob Young, Industry Resource Liaison, Petroleum Equipment Institute; Moderated by Laura Fisher, State Water Resources Control Board

n Cleanup Policy/Management - Wednesday, April 1, 2009

Off-Site Contamination: Public Disclosure, Water Well Impacts, and Source Water Protection, 8:30 AM - 10:00 AM, Room 203

This session includes presentations from three States on their efforts to address different aspects of the impacts of contamination that has migrated off-site. Florida was directed by statute in 2005 to develop rules and procedures to provide public notification of the discovery of contamination. Since that time over 10,000 notices have been mailed and there is legislation pending to further expand these efforts; Virginia has gained much experience dealing with complex technical and financial obstacles at cleanup sites with private well impacts and will share a number of case studies of past successes and current challenges; and Oregon has developed a dynamic technical review process evaluation of cleanup sites for potential closure with emphasis on potential receptors and source water protection.

William R. Chapman, Senior Geologist, Virginia Department of Environmental Quality; Cathy Rodda, Natural Resource Specialist, Oregon Department of Environmental Quality; John Wright, Environmental Engineer, Florida Department of Environmental Protection; Moderated by Charles Williams, Environmental Administrator, Florida Department of Environmental Protection

Roundtable LUST Discussion, 10:15 AM - 11:45 AM, Room 105

Moderated by Steven Linder, Regional Program Manager, U.S. Environmental Protection Agency

n Wednesday, April 1, 2009

EPA/State Meeting, 8:30 AM - 10:00 AM, Room 103-104

Moderated by Walter Huff, Chief, Mississippi Department of Environmental Quality

PID Nuts to Bolts, 10:15 AM - 11:45 AM, Room 103-104

PID Nuts to Bolts will explore exciting new findings about the reliability of PIDs in field measurements that all LUST managers and field staff should know about. First Geoff Hewitt of Ion Science will explore the history of the development of PIDs (Mr. Hewitt worked with scientist who developed some of the first PIDs and has an interesting story to tell about their development). He will also describe some of the finer features of the operation of PIDs that many of you may not know. Then a Maine state scientist will discuss findings about PIDs that Maine has discovered concerning the relative response of different manufactured PIDs on calibration gases as well as comparisons of PID results with GRO and DRO analysis.

Geoff Hewitt, President, Ion Science; Fred Lavalley, Environmental Engineering Manager, Maine Department of Environmental Protection; Moderated by Richard Spiess, Analyst V, Vermont Department of Environmental Conservation

Speaker Bios

Ralph Acierno, Colorado Division of Oil and Public Safety

Ralph Acierno is a Field Oil Inspector for the Field Inspection Section of the Colorado Division of Oil and Public Safety. His duties include environmental compliance inspections for both UST's and AST's, consumer complaints, technical assistance, special investigations, installation inspections, and weights and measures assurances. He has performed these functions for more than 17 years and has acquired training in Corrosion Protection, AST Inspector Training, 40 Hour OSHA Training, LPG, and UST Inspector Training. He has participated in of Colorado's oldest running program and assisted in the evolution of the types of inspections to be performed, equipment safety issues, and public safety resolution.

Cherri Adair, U.S. Environmental Protection Agency

Cherri Adair is an Environmental Scientist in GWERD's Subsurface Remediation Branch. She has worked for the U.S. Environmental Protection Agency since 1999. She is presently conducting microcosm studies to determine the natural biological fate of Biodiesel, ethanol, and other fuel oxygenates, as well as chlorinated solvents in contaminated aquifers. She has a bachelor's degree in Biology from East Central University.

Hernando Albarracin, Illinois Environmental Protection Agency

Born in Colombia, Hernando came to Kankakee, Illinois, as a foreign exchange student in 1980. He earned a bachelor's degree in Mining Engineering from Southern Illinois University at Carbondale in 1986, and was close to earning a master's degree in Mining Engineering from SIUC when the Illinois Environmental Protection Agency offered him a job in 1989. Hernando started as an environmental engineer in the Permit Section, was promoted to unit manager in the Leaking Underground Storage Tank Section in January 1996, and was promoted again to section manager in April 2008. Hernando sees the greening of UST cleanups twofold: it complements Illinois EPA's mission, and it fits with his personal values.

Mahesh Albuquerque, Colorado Division of Oil and Public Safety

Mahesh Albuquerque is the Director of the Colorado Division of Oil and Public Safety. His responsibilities include oversight of Colorado's Petroleum Storage Tank Programs (UST/AST, LUST, FUND and Weights & Measures) as well as several Public Safety Programs (Public School Construction, Explosives, Boilers, Conveyances and Amusement Devices). He joined the Division ten years ago, and has served as the Program Manager for Division's Petroleum Inspection Section, overseeing the permitting, installation,

registration, inspection, compliance and closure of UST's and AST's within Colorado. His participation on the EPA's Significant Operational Compliance and Secondary Containment workgroups has assisted with the development of various EPA guidance documents. Prior to joining the Division, he spent eight years in the private sector as an environmental consultant. He received his bachelor's and master's degrees in Geology from the University of Bombay, and is a registered professional geologist.

Greg Baretta, Wisconsin Department of Commerce

Greg Baretta has been employed as a consulting engineer by the Wisconsin Department of Commerce in the Bureau of Petroleum Products and Tanks since 2001. His primary duties include aboveground and underground storage tank system design approval, leak detection system approval, Wisconsin code development, variance approval, and special projects/investigations. He has been a member of the National Workgroup on Leak Detection Evaluations (NWGLDE) since 2006, with primary responsibility for line leak detection approvals. Prior to his current position, he spent nine years as an in-service inspection and mechanical evaluations engineer in the nuclear power industry. He received his engineering degree from UW-Milwaukee in 1991 and a master's degree in 2004, and is a registered Wisconsin Professional Engineer.

Bruce Bauman, American Petroleum Institute
Since 1992, Bruce Bauman has been the Research Program Coordinator for Soil and Groundwater issues at API. His principal activities include research project management in support of the API Soil/Groundwater Technical Task Force, especially those projects involving biodegradation and gasoline oxygenates. He has been with API since 1985, when, as the Groundwater Protection Coordinator, he focused on providing technical input to API's comments on federal and state underground storage tank (UST) regulations. He has served as a consultant to the EPA Science Advisory Board on two panels addressing UST issues, and participated in several federal panels, including the 1995-6 Office of Science and Technology Policy (OSTP) review of gasoline oxygenates and water quality, and the 1999 EPA Blue Ribbon Panel on Gasoline Oxygenates. He currently serves on the Science Advisory Committee of the Integrated Petroleum Environmental Consortium (IPEC), and is on the editorial board of the Journal of Soil & Sediment Contamination. He currently is primarily focused on biofuels/ethanol, including their broad suite of land and water quality issues, as well as managing research on understanding the effects of ethanol fuel releases to ground water.

Erica Becvar, Air Force Center for Engineering and the Environment

Erica Becvar is a senior soil scientist at the Air Force Center for Engineering and the Environment (AFCEE) with more than 15 years of experience in managing programs to develop, demonstrate, and validate treatment technologies for contaminated soils and groundwater for the Air Force Installation Restoration Program. She currently leads the AFCEE Enhanced In Situ Bioremediation initiative, supports the AFCEE Remedial Process Optimization and Performance-Based Management initiatives, serves as the Air Force lead on the SERDP and ESTCP environmental restoration programs, manages the AFCEE Technology Transfer Outreach Office, and leads the initiative to include sustainability in Air Force remediation and long-term monitoring systems, programs, and applications. She received her bachelor's degree in microbiology and her M.S. in soil science from Texas A&M University.

Channing Bennett, U.S. Environmental Protection Agency

Channing Bennett is an Environmental Scientist with EPA's RCRA Underground Storage Tanks (RUST) Section in Region 4. He has worked in the RCRA permit and corrective action section as a specialist for 16 years. Presently serving as the Revitalization Coordinator for Petroleum Sites, he is responsible for the coordination of efforts to assist federal, state, and local governments and various community stakeholders to collaborate with the appropriate experts to identify resources available to assess, cleanup and revitalize petroleum contaminated properties. He was also a member of the National RCRA Revitalization Workgroup headed by EPA Headquarters Office of Solid Waste. He holds a master's degree in Biology from Tennessee Technological University, Cookeville, TN and bachelor's degree in Biology from Southern University, New Orleans, LA.

Leonard Billingsley, Oklahoma Corporation Commission

Leonard Billingsley is a degreed geologist with 20 years experience in the environmental industry and 14 years experience in the oil & gas industry. His environmental industry experience is in underground storage tanks, landfills, and RCRA. He currently teaches the Petroleum Storage Tank Program's Oklahoma RBCA course, Gamma Ray log monitoring wells for the program, oversees site investigations, risk assessment, site remediation, and case closure. His oil & gas industry experience includes prospect generation, development work, and well sitting.

Speaker Bios

Myra Blakely, U.S. Environmental Protection Agency

Myra Blakely is the Deputy Director of the Office of Brownfields and Land Revitalization. She joined the Environmental Protection Agency in 1994 to assist in the implementation of the Agency's Brownfields Initiative. Prior to her current position, she served as Brownfields Grants Policy and Grants Management Team Leader for the office; which included management of the assessment, revolving loan fund, cleanup and job training grants. She has worked with all levels of government, non-profit organizations, educational institutions and the private sector and has served as a consultant to public schools and non-profit organizations nationwide in the areas of dropout prevention and recovery. She has received several EPA recognition awards, including a team Gold and Silver Medal for the Brownfields program, a Bronze Medal for her work on environmental workforce development, and a Brownfields Team Award from the National Partnership for Reinventing Government. A native South Carolinian, she received her bachelor's degree in Psychology from Columbia College and her master's in education from the University of South Carolina in Columbia.

Lamar Bradley, Tennessee Division of Underground Storage Tanks

Lamar Bradley has worked in the Division of Underground Storage Tanks since 1988 and has been Assistant Director since November 1991. With 32 years of experience in state government, he currently oversees activities for the Notification and Enforcement and Compliance sections, provides technical assistance to inspectors, and works on developing improvements in the compliance inspection and enforcement programs as well as developing the Tennessee UST Operator Training program. He has been heavily involved at state and national levels with UST issues involving leak detection, specifically SIR, ASTM Alternative Assessment Procedures, Cathodic Protection Testing, flexible piping, alternative fuels, and other issues.

Jane Bral, Colorado Department of Labor and Employment

Jane Bral graduated from Ohio University in Athens, OH in 1980 with a bachelor's degree in Geology and in 1984 with a master's degree in Hydrogeology. She worked with Environmental Science and Engineering (ESE) for 13 years in Gainesville, FL and Denver, CO doing petroleum and hazardous waste site assessment and remediation. In 1998 she founded Bral Environmental, Inc. that specializes in Phase I and II site assessments. Joining the Colorado Department of Labor and Employment Division of Oil and Public Safety (OPS) in 1999 as an Environmental Protection Specialist in the Remediation Section, she oversaw the assessment and remediation of petroleum contaminated sites. In 2004 she began managing the Colorado Petroleum Storage Tank Fund that provides annual reimbursements of \$35M to \$40M.

Sandeep Burman, Minnesota Pollution Control Agency

Sandeep Burman has been with the Minnesota Pollution Control Agency (MPCA) since 1994. He is currently a Supervisor in the Petroleum Remediation Program which manages both LUST and Petroleum Brownfield sites, and prior to that held positions as a Research Scientist and a Hydrogeologist. He holds a master's degree in Hydrogeology, with a minor in Civil Engineering from the University of Minnesota, Minneapolis.

Donna Burmeister, Florida Department of Environmental Protection

Donna Burmeister has spent the last 21 years at the Florida Department Environmental Protection, 18 in petroleum cleanup as a Professional Geologist. She currently works in the Bureau of Petroleum Storage Systems as the PG liaison for the 14 counties under contract with the DEP to manage their own petroleum cleanups. Prior to the Florida DEP she time spent in Houston, Texas working for several oil companies during the boom years of the early 80s working in her native state at the Illinois State Museum extensively investigating pre-historic Archaeological sites in the Illinois River Valley. She is a graduate of the University of Florida, with a bachelor's degree in geology.

Randy Chapman, Virginia Department of Environmental Quality

Randy Chapman is the Petroleum Remediation Program Leader for the Northern Regional Office at the Virginia Department of Environmental Quality (VADEQ). He began his career in the world of petroleum investigations and cleanups in 1990 at the South Carolina Department of Health and Environmental Control (SCDHEC) and in 1993, he was hired by the Remediation Program in the Northern Regional Office of the Virginia DEQ. In the nineties, the Virginia DEQ adopted a risk based approach for petroleum investigations and corrective actions. Since 1990, the Northern Virginia Regional Office has had approximately 6400 confirmed petroleum release cases reported and at any one time, regional case managers handle numerous investigations, corrective actions, as well as the associated reimbursement. Currently, he is the case manager for over 100 open release investigations and cleanups. He is a graduate of Clemson University.

Eliot Cooper, Vironex, Inc.

Eliot Cooper is a member of the TRIAD Community of Practice with a mission to expedite the adoption of TRIAD based technologies. He served as a team member for the Interstate Technology and Regulatory Council (ITRC) Chemical Oxidation Work Group and participated in development of the current in-situ chemical oxidation (ISCO) document and associated on-line training. He is an advisor on Strategic Environmental Research and Development Program (SERDP)/Environmental Security Technology Certification Program

(ESTCP) projects involving injection models for high volume applications of reagents including emulsified oils and chemical oxidants. He has worked extensively in large scale environmental remediation injection projects supporting environmental consultants in both the public and private sectors. He developed and implemented site characterization and injection approaches involving the Membrane Interface Probe (MIP) and integration of results into injection strategies for in-situ injection applications. His work in this field includes chemical oxidation, reduction, bioremediation and bio augmentation.

Robin Davis, Utah Department of Environmental Quality

Robin Davis is a Project Manager for the Utah Department of Environmental Quality. Since 1976, she has worked for the states of California, Arizona and Utah in hydrologic investigations and petroleum remediation. She has helped develop state guidance for risk-based corrective action, monitored natural attenuation and site investigations. Her most recent work includes optimizing site investigations for studying the vapor intrusion pathway, and the study of subsurface petroleum hydrocarbon vapor occurrence and attenuation at sites in the United States and Canada. She holds a bachelor's degree in Geology.

Nicole Dotts, BP America

As Site Director of Helios House, Nicole Dotts serves as the driving force behind the shaping and delivery of Helios House offers and leadership by promoting Helios House mission and activities through engagement across the BP organization and externally. Prior to her role as Site Director of Helios House, she was an Environmental Compliance Specialist for BP US Convenience Retail, where she managed the operating compliance for company-owned retail stations in California, Arizona, and Nevada in addition to developing and rolling out the US Convenience Retail Storm water Management Program and California's ARCO/AMPM Recycling Program. Before joining BP, she was an Environmental Scientist with URS Corporation, providing pollution prevention, green procurement, and regulatory management support for Boeing, the US Air Force, Navy, Kinder Morgan Energy Partners, and other clients. With a passion for Sustainability, she participates in various LA-based, business focused 'Green' networks. She is a graduate of UCLA with a bachelor's in Environmental Science and Pre-Medicine, and also spent time studying abroad at the Universidad de Granada, Spain, where she focused on Spanish Environmental Studies.

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Speaker Bios

Carol Eighmey, Missouri Petroleum Storage Tank Insurance Fund

Carol Eighmey has served as Executive Director of Missouri's Tank Fund for 11 years and has been doing "tanks work" for 15 years. She has served on several EPA workgroups, as a member of the State Fund Administrators' Task Force, and serves on the Board of Directors for NatLUST, a non-profit corporation providing liquidity to state tank funds. Her background includes previous work for the state environmental regulatory agency and private sector experience in banking, insurance and association work. She has a bachelor's degree in Applied Physics and a master's degree in Engineering Management.

Tracy England, Oregon Department of Environmental Quality

Tracy J. England has been the Underground Storage Tank Specialist for the Oregon Department of Environmental Quality's Eastern Region since 2004; prior to that he was database coordinator for DEQ's Environmental Cleanup and Site Assessment section. He is the author of "Operator Training: The Oregon Experience" which appeared in the September 2008 issue of L.U.S.T. Line. He is a 1997 graduate from the University of Idaho with a bachelor's degree in Geological Engineering and currently resides in Lyle, Washington.

Virginia Esmond, Oregon Department of Environmental Quality

Virginia Esmond is an Environmental Specialist III with the Oregon Department of Environmental Quality (ODEQ). During her 18 years with ODEQ she has worked primarily in the Land Quality programs as a cleanup site project manager while during the early years of the Underground Storage Tank Program she helped write and develop guidance and policies for the Underground Storage Tank Program. While at the ODEQ, she has served on workgroups that have helped to develop the Underground Storage Tank Cleanup Program. She has a bachelor's degree in Environmental Public Health and completed graduate courses in Environmental Engineering and Applied Mathematics.

Stephen B. Etsitty, Navajo Nation Environmental Protection Agency

Stephen Etsitty is the Executive Director for the Navajo Nation Environmental Protection Agency (NNEPA), appointed July 21, 2003 and confirmed October 22, 2003. He manages four departments: Air & Toxics, Waste Regulatory Compliance, Surface & Ground Water Protection, and Criminal Enforcement. Among its 17 programs, NNEPA implements four delegated or primacy programs: the Public Water Supply Supervision Program, a Title V Operating Permit

Program, the Water Quality Certification Program, and the Underground Injection Control Program. An NPDES Delegation application is forthcoming. He serves on the USEPA's Regional and National Tribal Operations Committees and from 2006 to 2008, he served as the Chairman of the National Tribal Caucus and as Co-Chair of the National Tribal Operations Committee where he currently serves as Secretary. He has provided testimony to the US Congress on Uranium legacy clean up of the Navajo Nation, served on Governor Napolitano's Climate Change Advisory Group, and also represented the Navajo Nation in the New Mexico Governor's Climate Change Advisory Group. His environmental management experience was obtained at the U.S. Environmental Protection Agency, from May 1992 to September 2000 with five years spent at USEPA Region 9 establishing its Indian Programs Office and three years as National Manager in the USEPA Office of Solid Waste Tribal Programs.

Stephanie Fiorenza, BP America

Stephanie Fiorenza is the regional remediation technology coordinator for BP in their southern US and Latin American region. She also has primary responsibility for chlorinated solvent-impacted sites and bioremediation approaches. She has been involved with sustainable remediation since the inception of SURF in 2006 and is now focused on sustainable remediation efforts within BP. Prior to joining BP she managed innovative remediation technology pilot tests at US DOD sites. She received her Ph.D. in Environmental Science and Engineering from Rice University and holds a bachelor's degree from Brown University.

Victoria Flowers, Oneida Tribe of Indians of Wisconsin

Victoria Flowers has worked for the Oneida Tribe of Indians of Wisconsin since August of 2004, as an Environmental Specialist in the Brownfield Program. Prior to coming to the Tribe, she worked as an Environmental Consultant - Hydrogeologist, in the private sector. Since starting her employment for the Oneida Tribe of Indians, she has developed a Tribal Environmental Response Program using The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Brownfield 128(a) grant funding. Using that funding she has developed a robust database to track various environmental activities associated with properties that potentially impact a site's use, its priority ranking for assessment or cleanup, and its threat to the environment. To date, the database tracks, approximately 10,000 individual parcels and can compare them against approximately 900 environmental reviews, 400 tanks, and 220 environmental response action sites and this information has led to the development of oversight authorities that have participated in several state and one tribally led response actions.

Marybeth Glaser, Virginia Department of Environmental Quality

Marybeth Glaser is the Reimbursement Team Coordinator within the Office of Spill Response and Remediation. Prior to joining VA DEQ in 2004 she worked for various Local and Regional Governments in Pennsylvania, Virginia, and West Virginia within the fields of Planning & Community Development, Grants Administration, and Utilities Management. Her private sector experience includes accounting, financial-credit management, and community association work. Her responsibilities include the management of the claims processing function within the department which includes management of the outsourced contractor performing claims processing. She also monitors and reports on the fund's solvency and claim demand trends. She holds a bachelor's degree in History from Waynesburg College and a master's degree in Public Administration from Virginia Commonwealth University.

Jim Glass, Oregon Department of Environmental Quality

Jim is an Environmental Specialist IV with the Oregon Department of Environmental Quality (OR-DEQ). During his 30 plus years with OR-DEQ, he has worked primarily in the Air Quality and Land Quality Programs as an inspector, and cleanup site project manager. He has been working in the Underground Storage Tanks Cleanup Program since March 1993 and has helped redevelop Petroleum Brownfields in Oregon since 1999. He currently serves on the Association of State and Territorial Solid Waste Management Officials (ASTSWMO) Tanks Task Force and is a member of the National Tanks Conference Planning Committee.

Lorri Grainawi, Steel Tank Institute

Lorri Grainawi is the Director of Technical Services of the Steel Tank Institute and Steel Plate Fabricators Association. Employed with STI since 1990, her current responsibilities include overseeing STI's technical standards, conducting research on issues such as alternate fuels, maintaining the Steel Tank Institute's UL Listings, and overseeing STI's cathodic protection tester certification course. She also serves on a number of technical committees with organizations including ASTM, NACE, NFPA, UL, and API.

Nicholas Haddad, Technology, Engineering & Construction, Inc.

Nicholas Haddad is a graduate Civil Geo-Environmental Engineer Program from the University of Massachusetts and is the Vice President of Technology, Engineering & Construction, Inc. His management consulting experience encompasses a professional career of seventeen years in leading Hazardous Waste Management, and environmental assessments and remediation for soil and groundwater

Speaker Bios

contaminated sites. In his capacity he directs major engagements for environmental clients, provides project management, and technical and marketing support to personnel involved in such projects. He maintains compliance with regulatory associated deliverable reports, selects and develops new remediation systems and develops the most cost effective remedial approach. He has performed and directed many interdisciplinary engagements, where project management and control skills are essential for successful performance.

Paul Hadley, California Department of Toxic Substances Control

Paul W. Hadley is a Hazardous Substances Engineer with the California Department of Toxic Substances Control. The longstanding chairperson of the Interstate Technology & Regulatory Council's (ITRC) In Situ Bioremediation Task Group, he also has lead two of the ITRC's five major classroom training initiatives. During his fifteen years in the hazardous waste field he has published more than a dozen articles on issues of risk and remediation at hazardous waste sites. He holds a bachelor's degree in biochemistry and a master's degree in civil/environmental engineering, both from the University of California at Davis.

Blayne Hartman, H&P Mobile Geochemistry
Dr. Blayne Hartman is a nationally recognized expert on soil vapor sampling, soil vapor analysis, and vapor intrusion. He has provided training on soil gas methods and vapor intrusion to County and State regulatory agencies in over 30 states, many of the EPA regions, the DOD, and numerous stakeholder groups and consultants. He has written numerous articles on the collection, analysis, and interpretation of soil vapor data, including chapters in four textbooks. He has participated in technical workgroups on soil vapor methods for EPA, CA-EPA, CA Regional Water Boards, County of San Diego, ITRC & ASTM, has reviewed/edited instructional manuals for the EPA OUST and Superfund groups, and lectured on soil gas methods in the EPA-OSWER vapor intrusion seminars. Over the past four years, he has been a contributing author/editor to vapor intrusion and soil gas guidance documents to federal EPA, CA-EPA, San Diego County, ITRC, DOD, API, and more than 20 individual State documents.

Alison Hathcock, South Carolina Department of Health and Environmental Control
Alison is the Permitting Coordinator for the UST Program at the South Carolina DHEC. She has been with the program for 8 years and previously served as an inspector before taking her current position in 2005. Her responsibilities include construction permits, assigning of installation inspections, operation permits and removal permits and was instrumental in the research and creation of South

Carolinas alternate fuel program. Her research has been requested by various regulators to aid in the creation of their programs. She has also presented her research at various regional EPA meetings and local meetings of the Palmetto Clean Fuels Coalition and is recognized as the alternative fuel expert in the UST Program and has recently been invited to join the Interstate Technology and Regulatory Council (ITRC) workgroup on Biofuels. She holds a bachelor's degree in Biology with emphasis in Chemistry and Math.

Kevin Henderson, Mississippi Department of Environmental Quality

Kevin Henderson has been with Mississippi DEQ since 1988 and joined the UST program in 1991. He has been the Compliance and Enforcement Manager for the UST Branch since 1994. Best known for his contributions to cathodic protection and thermoplastic flexible piping, he has given numerous presentations and authored various papers on these subjects. He is a member of several Underwriters Laboratories standards technical panels that are currently revising the UL standards that apply to UST systems. He is a professional geologist and holds a bachelor's degree in Geology and a master's degree in Geological Engineering.

Geoff Hewitt, ION Science (Americas), LLC
Geoff Hewitt has spent his professional career in the analytical and environmental industry. Born in England, he studied Chemistry with an emphasis on Analytical Chemistry at the Royal College of Advanced Technology in Salford, England before undertaking post-graduate work in Analytical Chemistry under Dr. Frank Karasek at the University of Waterloo in Ontario, Canada. He joined a fledgling HNU Systems in the mid 70's, first as a distributor and then as a direct employee. HNU was the leading company in the PID market for many years and as the VP of Sales and Marketing he played a key role in its growth. After a stint as CEO of an emerging technology company in the environmental sensor arena, he returned to the PID marketplace in 2002 when he established ION Science (Americas) LLC for ION Science Ltd., a UK based manufacturer of gas detection instruments, including a range of PID units.

Brad Hoffman, Tanknology, Inc.
Brad Hoffman has 20 years experience with Underground Storage Tank systems, testing and compliance and currently develops testing equipment, protocols, safety standards, and quality systems for Tanknology, Inc. He is active in PEI and API committees, is a Certified Trainer for Veeder-Root, and holds a Class A Engineering License in CA and several state contractor licenses. He is a former field engineer and program manager for Exxon. He holds a bachelor's degree in Mechanical Engineering from the University of Tulsa.

Harley Hopkins, American Petroleum Institute
Harley Hopkins is a manager in the Regulatory and Scientific Affairs Department of the American Petroleum Institute (API). Since 1991, he has managed research projects on the fate, transport and remediation of petroleum hydrocarbons in soil and groundwater, resulting in numerous API publications. He provides technical assistance within API on oil and natural gas waste, vapor intrusion and free-product remediation. He is a Certified Professional Geologist in the State of Virginia.

Carolyn Hoskinson, U.S. Environmental Protection Agency

Carolyn Hoskinson is the Acting Director of the Office of Underground Storage Tanks (OUST) at the U.S. Environmental Protection Agency (EPA). Prior to that, since August 2006, she served as the Deputy Director. OUST is responsible for ensuring that the nation's hundreds of thousands of gasoline storage tanks are designed and operated to protect the environment and prevent leaks. The office also works to ensure that those leaks that do occur are detected and cleaned up as soon as possible. A high priority is placed on the prevention and cleanup of leaking tanks in Indian Country which is a major focus of the office's efforts. In 1991, she started her career at EPA in the hazardous waste program, focusing on adding flexibility to the hazardous waste cleanup requirements and regulations. She subsequently served in the office of the Assistant Administrator for the Office of Solid Waste and Emergency Response, where she was responsible for issues ranging from waste management and cleanup, Superfund and Brownfields, to counter terrorism and emergency response. She holds a bachelor's degree in Communications, Law, Economics and Government from The American University in Washington, DC. She is a native of Connecticut where her Loomis family's roots extend as far back as 1638. She married her high school sweetheart, Jim, and lives with him and their two sons, Jack and Ryan, in Silver Spring, Maryland. They get back to Connecticut as often as possible, to see family, but more importantly, to eat decent New Haven pizza.

Pat Hughes, Chevron Environmental Company
Pat Hughes worked as a Hydrogeologist for Chevron for the past 28 plus years. During this time he has either consulted on, or managed the site assessment and remediation efforts at several hundred company facilities in 24 different states, and more than a half dozen countries across the globe. As part of this work, he has designed and presented courses on groundwater contamination issues to students in a variety of

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countries. In his spare time, he is working on his PhD (Hydrogeology) at the University of Hawaii, focusing on the movement of large NAPL plumes in a tidal setting. He holds a bachelor's degree in Engineering from West Point, and in 1981 received a master's degree in (Hydro)Geology from San Diego State University.

Edward Kubinsky, Crompco, LLC

Ed Kubinsky has been employed with Crompco for over 15 years. His first 8 years were spent as a field technician and past 7 plus years have been spent maintaining individual/company licensing and certification, overseeing all training for Crompco employees, and working closely with the regulating agencies interpreting UST and Vapor Recovery regulations for customers, Crompco management, and field technicians. He is currently certified in several states as well as ICC (U3 & U4), NACE, Veeder Root, Blueline Technologies, Petro-Tite and EZY-3 Locator Plus. He has been instrumental in preparing Crompco and its employees to conduct 3rd Party UST Inspections in Maryland and most recently Massachusetts. He also has an 8-hour MDE-approved recertification course for 3rd Party Inspectors in Maryland.

Jeffrey Kuhn, Montana Department of Environmental Quality

Jeffrey A. Kuhn is a hydrogeologist with 21 years of professional experience in the assessment and remediation of environmentally contaminated sites. He is the Chief of the Montana DEQ LUST Brownfields Section and speaks nationally and internationally on fuel oxygenate and additives issues. He chairs the ASTSWMO Fuel Oxygenates and Additives Workgroup and is a frequent contributor to the publication L.U.S.T.Line and is closely following the national interest in ethanol and alternative fuel oxygenates. He spends part of summer teaching courses for the Glacier Institute on geology, climate change, and natural history in Glacier National Park where he formerly worked as a seasonal ranger. He also teaches Earth Science as an adjunct professor at Carroll College in Helena, MT. He holds a bachelor's degree in Geology from Juniata College, Pennsylvania, and a master's degree in Geology from the University of Montana.

Jennifer Lambert, Tetra Tech NUS

Jennifer Lambert is a geologist with Tetra Tech NUS in King of Prussia, Pennsylvania. Prior to graduate school she worked for Tetra Tech NUS and has approximately 6 years of experience in environmental consulting. She has primarily worked on CERCLA remedial and pre-design investigations under contracts for the US EPA and Navy. She holds a bachelor's degree in geology from Hamilton College and has recently completed an MSc in Earth Science from the University of Waterloo.

Gary Lynn, New Hampshire Department of Environmental Services

Gary Lynn manages the Petroleum Remediation Section at New Hampshire's Department of Environmental Services (DES). He is a professional engineer with 30 years of experience in process engineering, environmental consulting and with state regulatory agencies. During his tenure at DES, he managed the Pease Air Force Base cleanup program, was the first coordinator of the Brownfields program and now runs the petroleum remediation program. He has a bachelor's degree in ChE/Chemistry from Northwestern University and a master's degree in Civil Engineering with Environmental specialization from VPI&SU.

Eric Magnan, U.S. Environmental Protection Agency

Eric Magnan joined the EPA Region 9 UST Program in 2005 and is the grant project officer for Arizona and the Pacific Islands and an inspector. His current projects include implementation of the Energy Policy Act, overseeing LUST cleanups, carrying out UST enforcement cases, and studying the environmental impacts of LUST cleanups. Prior to coming to EPA, he worked as an engineer at a California electric and gas utility. He received his bachelor's degree in Mechanical Engineering from the University of California, Berkeley and is a registered Professional Engineer in Mechanical Engineering.

Kenneth McBride, Red Lake Band of Chippewa Indians

Ken McBride is the Environmental Program Director for the Red Lake Band of Chippewa Indians, a position he has held for over 14 years. He is providing UST compliance assistance for the Red Lake Band and several other Minnesota tribes under a Direct Implementation Tribal Cooperative Agreement (DITCA) with the USEPA. He has served as a teacher trainer in the US Peace Corps - Philippines, and has been a teacher in Indiana, Hawaii, Turkey, and Minnesota where he currently teaches Environmental Science and Algebra courses at the Red Lake Nation College. He serves as a Turtle Lake Township Supervisor, the Water Quality Monitoring Director for the Turtle River Watershed Association, and as a board member for Minnesota Finlandia, Community Health and Sports. An avid cross country skier, he is married with two children. He received a bachelor's degree in Physics Teaching from Purdue University and a master's degree in Environmental Science and Master of Public Affairs from the School of Public and Environmental Affairs (SPEA) at Indiana University.

Emily McGuire, Kansas Department of Health and Environment

Emily McGuire is a Professional Geologist with the Kansas Department of Health and Environment. During 16 years with KDHE, she has worked for the

Bureau of Environmental Remediation, primarily in the Storage Tank Section Remedial Unit. Working with the State Trust Fund, she has been project manager for numerous remedial designs, several site cleanups and closures. Instrumental in her role in updating and revising requests for proposals (RFPs) and developing the Remedial Design and Implementation RFP, she also works on emergency sites and sites under the Time and Materials contract (LUST). Prior to environmental work she worked in the petroleum industry. Her bachelor's and master's degrees are in Geology and she is a Kansas Licensed Geologist.

Thomas McHugh, GSI Environmental Inc.

Dr. Thomas McHugh is a Vice President with GSI Environmental Inc. in Houston, Texas. He is a Diplomate of the American Board of Toxicology and has over 17 years of experience in the environmental industry with academic research and private consulting organizations. He has worked on a number of projects related to vapor intrusion including field investigations and model development. He is the principal investigator (PI) for two vapor intrusion research projects funded by the Department of Defense through their Environmental Security Technology Certification Program (ESTCP) research program. Through these projects, he has developed improved methods for building-specific vapor intrusion investigations based on control and measurement of pressure gradients. He is the lead author on several peer-reviewed journal articles, peer-reviewed conference proceedings, and technical documents on vapor intrusion.

Mike McVey, Daniel B. Stephens & Associates

Mike McVey has over 20 years of professional experience in the environmental industry serving a variety of federal, state, and commercial clients as a program manager, project manager, and senior technical lead. He has managed hundreds of hydrogeologic investigations, pilot tests and remedial action plans at LUST facilities; managed investigation, characterization, and remediation activities at DOE facilities, RCRA facilities, and Superfund sites for both soil and groundwater contamination problems resulting from historic and ongoing operations at the sites; and applied a wide variety of remedial technologies at contaminated sites. He currently serves as DBS's program manager for New Mexico Environment Department (NMED) and New Mexico Department of Transportation (NMDOT) contracts and as DBS's Albuquerque office Environmental Services Team Leader.

Jim Miceli, Pennsylvania Underground Storage Tank Indemnification Fund

Jim Miceli began his insurance career in 1969 with Nationwide Insurance in Harrisburg after graduating from California State University. He spent 19 years at Nationwide in positions ranging from field adjuster to District Claims Manager

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involved in property and casualty losses and another 14 years at PHICO Insurance Company where he was Director of Claims involving medical malpractice claims for hospitals and physicians for the Dallas, Atlanta and San Diego Regions. He was later appointed vice-president of Claims for the Aegis Insurance Group; and for the past 5 years has been Claim Manager for Pennsylvania's USTIF.

Paul Miller, U.S. Environmental Protection Agency

Paul Miller is an Environmental Engineer in EPA's Office of Underground Storage Tanks. His responsibilities are associated with preventing leaks from UST systems and include participating on various standard-making groups, developing prevention outreach tools, developing UST interpretations and guidance, and leading the implementation of the secondary containment and public record requirements of Energy Policy Act of 2005. He has worked in the Office of Underground Storage Tanks since 1994.

Marcel Moreau, Marcel Moreau Associates

Marcel Moreau has made a career of speaking, writing, and teaching about underground storage systems. He began with the State of Maine Department of Environmental Protection in 1983, spending four years working to develop Maine's regulatory program for underground systems. He then worked four years with an environmental engineering firm where his duties included inspecting hundreds of existing storage systems for military and utility clients, and developing conceptual designs for new storage systems. Since 1991, he has worked as an independent consultant providing information and educational services to regulators, installers, and storage system owners across the United States. He has given dozens of presentations and seminars across the country and is widely acclaimed as a speaker and educator. He has been named the consultant to Petroleum Equipment Institute for numerous Recommended Practices, become a regular contributor to L.U.S.T.Line, and written dozens of articles for trade publications.

Mimi Newton, U.S. Environmental Protection Agency

Mimi Newton received a bachelor's degree from the University of Pennsylvania in 1985 and a J.D. from Georgetown University Law Center in 1989. In 1989, she joined US EPA as an Attorney-Advisor, working primarily on RCRA matters in Washington, D.C. In 1994, Ms. Newton went into private practice in Los Angeles, California where she spent a year working on environmental matters in the real estate division at Paul Hastings Janofsky & Walker and five years working on environmental coverage cases in the insurance litigation firm of Zevnik Horton. Rejoining the EPA at Region IX's Office of Regional Counsel in San Francisco in 2000, she currently works on RCRA matters, including hazardous waste, solid waste and underground storage tanks enforcement and counseling.

Allan Patton, California State Water Board
Allan Patton is an Environmental Program Manager II with the California State Water Board. He is currently Assistant Deputy Director for the Division of Financial Assistance where he is responsible for the Underground Storage Tank Cleanup Fund and the Division administrative functions. Before taking his present position he was the manager of the Cleanup Fund, a position he held for four years. He also managed the Water Board Underground Storage Tank regulatory program between 1996 and 2000. He has been a member of the Water Board staff since 1980. He holds a master's degree in geography from Cal State Chico.

Heather Peters, Missouri Department of Natural Resources

Heather Peters is an Environmental Specialist with the Missouri Department of Natural Resources' Compliance and Enforcement Section. She started with the Missouri Department of Natural Resources in the Tanks Section in 1999. In 2005, the MDNR lost UST inspectors as part of a state budget change and it was not until 2007 when the MDNR, in coordination with EPA, participated in its first contract inspection project. She is now involved with the department's now permanent, composite inspection program, which includes MDNR staff, MDNR inspectors, contract inspectors, as well as cooperation with the state's insurance fund.

Ron Poltak, New England Interstate Water Pollution Control Commission

Ron Poltak has served as the Executive Director of NEIWPCC since 1983. Under his leadership, the Commission has dramatically increased its activities related to water quality, wastewater treatment, drinking water, and training, and expanded its focus to include issues such as nonpoint source pollution, underground storage tanks, and new threats like mercury. Before joining NEIWPCC, he served as the director of the New Hampshire Division of Parks and Recreation. He also spent 15 years with the New Hampshire Governor's Office in various senior environmental positions. In total, he has spent more than 30 years in environmental policy development and implementation. In 2006, he received an EPA Lifetime Achievement Merit Award, which honors individuals who have shown particular ingenuity and commitment in their efforts to preserve the environment.

Jennifer Pruett, New Mexico Environment Department

Jennifer Pruett is a manager for the New Mexico Environment Department's (NMED) Petroleum Storage Tank Bureau. Since September 2006, she has directed the Petroleum Storage Tank Bureau's Delinquent Tank Fee Collection project, Installer Certification program, and revised rules and statutes to meet requirements of the Energy Policy Act. She was previously a sole practitioner, working primarily in the area of environmental law. She taught several environmental law courses as

an Adjunct Professor at the UNM School of Law, provided contract litigation services for several law firms in Albuquerque and Santa Fe, and was a contract Hearing Officer for NMED. She was Assistant General Counsel and Special Assistant Attorney General for the NMED for six years and helped create the state's underground storage tank regulatory program in 1986. She received her bachelor's degree from Yale and her J.D. from the University of New Mexico.

Stephen Reuter, New Mexico Environment Department

Steve Reuter received his Bachelor of Arts degree in Geology in 1976 from Montclair State College in New Jersey. Upon graduation, he joined Century Geophysical Corporation in Grants, New Mexico. He earned a Masters degree from the University of Texas-at El Paso (UTEP) in 1981. He was hired by Exxon to work in Midland, Texas at the height of the 80's oil boom and broke into the environmental field by forming an independent consulting firm in 1990. He joined the New Mexico Environment Department Underground Storage Tank Bureau in 1996. In 2000, he left State work to perform corrective action at Superfund sites. Rejoining the New Mexico Environment Department in 2002, he currently oversees corrective action associated with petroleum storage tanks.

Dorothy Rice, California State Water Resources Control Board

Dorothy Rice is the Executive Director for the State Water Resources Control Board. Prior to her appointment, she served as Deputy Director for the Department of Toxic Substances Control's (DTSC) Site Mitigation and Brownfields Reuse Program where she was responsible for DTSC's site cleanup programs, including State Superfund sites, military facilities, school properties and brownfields throughout California. She served in this position from 1999 until March 2007. Throughout her 25-year state service career, she has focused on developing strong, motivated teams, striving for continual program improvements and increased efficiencies, and on developing collaborative relationships and partnerships within state government and with external stakeholders. In addition to her management and communication skills, she possesses over 25 years of experience working with California environmental protection programs. Prior to her tenure at DTSC, she held a number of executive positions at the California Integrated Waste Management Board, including Chief Deputy Director, and Deputy Director of the Permitting and Enforcement and Government and Regulatory Affairs Programs.

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Kenneth Richards, New Hampshire Department of Environmental Services

Kenneth Richards is a project manager within the Oil Remediation & Compliance Bureau of the New Hampshire Department of Environmental Services. He is responsible for 120+ petroleum release sites, from initial response through remedial design and implementation. With over 25 years experience as a professional geologist he joined NHDES in 2002. Prior to NHDES, he held technical and management positions with URS Corporation, Dames & Moore, ERM-Midwest and Exxon Company USA. He is currently a New Hampshire Licensed Professional Geologist and has previously held professional licenses in Massachusetts (LSP), Connecticut (LEP), Kentucky (PG) and nationally with AIPG. He holds a bachelor's degree in Geology from Boston College and an MS degree in Engineering Geology from the University of Cincinnati (1982).

Todd Ririe, BP America

Todd Ririe is the environmental technology coordinator for BP in the Western United States and has over 20 years of experience in applied geology, geologic instruction, and environmental applications of geology. Since 1990, his primary responsibility has been on environmental projects primarily focused on petroleum hydrocarbon site assessment and application of effective remedial approaches to reach closure. Work has included projects throughout the U.S., Southeast Asia, and South America. He holds a bachelor's degree in geology from Cornell College, and a Ph.D. in geology from the University of Iowa.

Cathy Rodda, Oregon Department of Environmental Quality

Cathy Rodda has worked with the Oregon Department of Environmental Quality's Tanks Program since August 2004. Most of her work involves UST cleanup project oversight but she also completes inspections during tank installations and decommissionings. She further serves as one of the state's "after-hours duty officers" for the Emergency Response Program. Prior to moving to Oregon, she worked with the Wisconsin Department of Natural Resources in several environmental regulation programs, including the Remediation & Redevelopment Program. Her duties involved LUST and non-petroleum cleanup site project management, brownfield redevelopment, site screening, and spill response.

Dania Rodriguez, Association of State and Territorial Solid Waste Management Officials

Dania Rodriguez is the Deputy Executive Director for the Association of State and Territorial Solid Waste Management Officials (ASTSWMO) in Washington, DC. For a number of years, she has served as the liaison between the States/Territories and numerous Federal Agencies such as EPA and DOD on important policy issues. She currently staffs the Hazardous Waste and Program and

Information Exchange Subcommittees for the Association, oversees the Association's Grants and Cooperative Agreements, is responsible for the coordination and facilitation of meetings and conferences, helps disseminate pertinent information to all parties, and provides support to all of the ASTSWMO Subcommittees and its work groups. Prior to her career at ASTSWMO, she worked for the American Petroleum Institute (API). She received a bachelor's degree in Political Science from Hood College in Frederick, Maryland.

Atul Salhotra, RAM Group, Inc.

Dr. Atul M. Salhotra is an internationally recognized expert in the development and application of risk based decision making programs for the management of chemically impacted sites. He is the lead author, project manager, and developer of Risk Based Corrective Action (RBCA) Programs for several states including Oklahoma, Texas, New-Mexico, Kansas, Nebraska, Missouri, Tennessee, Alabama, North Carolina, Idaho, Washington DC, New York, and USEPA (Indian Countries). As one of the original nine ASTM approved trainers for RBCA, he has conducted training courses in over 25 states and 10 countries. Over 6000 individuals have attended his courses. In 2006, he developed a risk based Decision Support System for the US Air Force for managing contaminated sites in Europe.

Thomas Schruben, American Cost Recovery

Tom Schruben is an environmental risk management consultant and a Partner in American Cost Recovery. He started his professional career as an environmental engineer in 1981 and in 1986 he joined EPA OUST to help write the Federal UST regulations. While at EPA he assisted State regulatory programs and State Funds with release prevention and corrective action issues and has helped develop many of the ASTM site assessment and remediation standards. He joined the insurance industry in 1992 and directed the environmental division of United Capitol Insurance Company. In 2000 he became an independent environmental risk management consultant for tank owners and State Funds. He investigates UST failures, recovering costs from insurers, manufacturers of defective products, and negligent installers and release detection contractors.

Alan Seech, Adventus Group

Alan Seech is the CEO and Director of Technology at Adventus. He is involved in the research and development of innovative bioremediation technologies for the treatment of recalcitrant organic compounds, as well as providing key support to clients throughout the remedial process. He has published numerous articles on bioremediation and biodegradation of organic contaminants in soil and presented more than 30 papers at international conferences on bioremediation. He is the inventor of the patented DARAMEND® technology for bioremediation of soils and sediments containing recalcitrant

organic contaminants and holds four United States patents. He also serves as an Associate Graduate Faculty at the Department of Environmental Biology, University of Guelph. He holds master's and Ph.D. degrees in Soil Chemistry and Environmental Microbiology, respectively, from the University of Guelph.

Michelle Simon, U.S. Environmental Protection Agency

Michelle Simon, Ph.D., P.E. is a Chemical Engineer who works in Technical Support at the United States Environmental Protection Agency. Prior to her work at USEPA, she worked in gas and chemical engineering for Chevron Oil Production Company. She specialized in CO2 miscible enhanced oil recovery with an emphasis on scaling and corrosion equipment problems.

Roy Spalding, University of Nebraska

Roy Spalding is a professor with the Agronomy and Horticulture Department at the University of Nebraska-Lincoln. His interests surround investigations of mechanisms to prevent and remediate contamination related to agrochemicals and the application of stable isotope tracers to groundwater contamination from N-fertilizer and waste lagoons and has over 100 publications in the field. He has recently been investigating the impact of catastrophic denatured-fuel ethanol releases on the environment. He serves on ITRC's MTBE team and on several environmental advisory boards. He received his master's degree from the University of North Carolina in Environmental Sciences and Engineering and Ph.D. from Texas A&M University in geochemical oceanography.

Curtis Stanley, Shell Global Solutions

Curtis C. Stanley received his bachelor's degree in Geology with an emphasis in Engineering from North Carolina State University in 1979 and has been employed by Shell Oil Company and various subsidiary companies since graduation. He is currently employed by Shell Global Solutions, the technical arm of Shell's worldwide operations. As the Global Discipline Lead for R&D and Advocacy, he coordinates global R&D/Advocacy efforts and provides technical support to the various organizations within Shell such as Manufacturing (Refining and Chemical), Retail, Distribution, Pipeline, Waste Sites, Exploration and Production, and Legal. Curt is certified through the NGWA as a Certified Ground Water Professional and through AIPG as a Certified Professional Geological Scientist and in addition is a licensed geologist in North Carolina and Texas. He is also an EPA Peer Reviewer and is the chairman of API's Soil/Groundwater Technical Task Force. He is also a member of the ASTM E50 Committee on Environmental Assessment and participated in development of the several ASTM Standards related to risk-based decision making along with associated national RBCA training and implementation programs.

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Ben Thomas, Ben Thomas Associates, Inc.
Ben Thomas is a Principal at Ben Thomas Associates, Inc. He spent 14 years as a UST regulator in Vermont and Alaska before starting Ben Thomas Associates in 2002 and working full time as a UST consultant. He now works nationally with government, tribal, and commercial UST clients to improve compliance through education. He is also a partner of Petroleum Training Solutions with nationally recognized experts Steve Purpora and Marcel Moreau.

Bruce Thurlby, Bioremediation Services, Inc.
Bruce Thurlby is the president of Bioremediation Services, Inc. After 16 years with CBS Records, he became one of the early pioneers of the online industry when he joined the Prodigy Services Company. For the next fifteen years he was, among other things, the publisher of *Colliers Encyclopedia*, the president of JuniorNet, an advocate for children's online privacy rights, and he helped launch nine new companies. As the online bubble began to burst, Bruce joined ArchaeaSolutions, Inc. as the Director of Growth and helped open a number of markets including commercial waste receivers, municipal sludge, Industrial waste, and UST cleanups. When ArchaeaSolutions decided to concentrate on Industrial waste, Bruce licensed the technology, and opened Bioremediation Services, Inc. In the last five years Bioremediation Services has been busy cleaning up everything from BTEX, to Diesel, to Chlorinated Hydrocarbons in Georgia, Florida, South Carolina, Kentucky, Tennessee and Alabama.

Weixing Tong, California Regional Water Quality Control Board

Weixing Tong is currently a senior engineering geologist and unit chief for Los Angeles Coastal Unit of Underground Storage Tank (UST) Program at the California Regional Water Quality Control Board, Los Angeles Region. He has more than 10 years experience with the Board in managing UST contamination cases. He previously worked as a senior hydrogeologist and project manager in a consulting firm specialized in groundwater basin development and management. He holds licenses for California Professional Geologist (P.G.), Certified Hydrogeologist (CHG), and Certified Engineering Geologist (CEG). He has a bachelor's and a master's degree in geology from Hefei University of Technology, China and Ph.D. in Earth Sciences from University of California, Santa Cruz.

Chris Veit, Missouri Department of Natural Resources

Chris Veit is the Tanks Section Closer & Technology Unit Chief at the Missouri Department of Natural Resources. He has been with MDRN since 2001, starting as a Tank Inspector in the Enforcement Section conducting UST compliance inspections,

a role that also included enforcement site visits, new install inspections, and temporary closure inspections. He then accepted a position with the Tanks Section as a Remediation Project Manager before moving back to Enforcement in the Hazardous Waste Enforcement Unit as an Enforcement Case Manager. In addition to enforcement case management he conducted hazardous waste facility inspections at large and small quantity generators. Prior to working for the department, he spent 11 years at Lincoln University as lead boiler operator. He received his bachelor's degree in Agriculture/Natural Resources from Lincoln University.

Susan von Gonten, New Mexico Environment Department

Susan von Gonten is a project manager for over 60 LUST sites with the remedial action program of the NMED Petroleum Storage Tank Bureau. Her cleanup projects include active soil vapor extraction remediation systems and excavation and removal of petroleum hydrocarbon contaminated soil. Geophysical methods, such as electromagnetic surveys and ground penetrating radar, have been used at several of her projects to identify previously unknown underground storage tanks. Prior to joining NMED, she was an exploration geophysicist with Conoco and Hess Oil Company. She holds a master's degree in Geology from the University of Wyoming and a bachelor's degree in Geology from Brooklyn College.

Alex Wardle, Virginia Department of Environmental Quality

Alex Wardle is an environmental and engineering geologist with over 20 years experience in brownfield investigation and redevelopment. He has worked across Europe and the Middle East and worked in the United States on sites from Ohio to South Carolina. He has worked for the DEQ since 2004. He holds a bachelor's degree in Geology and a master's degree in Soil Mechanics from London University's Imperial College.

Jim Weaver, U.S. Environmental Protection Agency

Dr. Jim Weaver has worked for the U.S. Environmental Protection Agency's Office of Research and Development for 21 years; initially at the ground water research center in Ada, Oklahoma; and, since 1997, at the Ecosystems Research Division in Athens, Georgia. His work has involved the development and testing of simulation models for fuel releases, evaluation of field behavior of contaminants, and oil spill response planning. He received his master's and Ph.D. degrees in Civil Engineering from the University of Texas at Austin, and a bachelor's degree from the State University of New York, College of Environmental Science and Forestry.

Charles Whisman, Groundwater & Environmental Services, Inc.

Charles Whisman, P.E., as the Senior Vice President of Engineering for GES, is responsible for leading engineering and remediation initiatives throughout the company's 35 offices. These initiatives include developing new technologies, identifying innovative remediation solutions, standardizing engineering design and system installation procedures/protocols, and providing guidance to GES engineering departments. He has over 15 years of engineering and project management experience pertaining to remediation sites impacted with a wide range of contaminants. During his career, his involvement in more than 400 remediation system pilot test and design projects and evaluations throughout the United States have incorporated various remediation technologies. He has also been involved in more than 75 chemical oxidation projects and has assisted with the preparation of industry guidance on the safe and effective use of chemical oxidation technologies, including involvement with ITRC and other organizations.

James White, BP America

James S. White is presently the Manager of Environmental Compliance & Regulatory Affairs for Fuels Value Chain Marketing at BP America. He has over 34 years of experience in downstream petroleum issues and began with ARCO in fuels marketing where he gained practical experience involving retail & distribution facilities and operations. In 1981, he became involved in environmental laws & regulations on behalf of ARCO, the American Petroleum Institute (API) and the Western States Petroleum Association (WSPA) and was directly involved in the establishment of the California & federal underground storage tank programs. In 1995, he established White Environmental Associates and consulted on matters that included fuel blends, storage tanks and vapor recovery and 2007, was hired by BP America as the Manager of Regulatory Affairs.

Scott Whittier, Maine Department of Environmental Protection

Scott Whittier is the Director of the Division of Oil and Hazardous Waste Facilities Regulation at the Maine Department of Environmental Protection. He has held this position since 1989. He and his staff oversee the management of third party damage claims, the certified third party installer and inspector program, determination of eligibility for the state fund, and perform compliance and enforcement activities for the underground oil storage program. Along with his staff, he also contributes to the development of Maine's regulations and legislative proposals.

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Charles Williams, Florida Department of Environmental Protection

Charles Williams has over 21 years of experience in various aspects of the Florida Department of Environmental Protection's Petroleum Cleanup Program. For the past 17 he has served in a management capacity as an Environmental Administrator. He has been a member of the ASTSWMO State Funds Task Force since its inception in 1994 and currently serves as its Vice Chair. Prior to joining DEP, he worked in the private sector for over 5 years as an Environmental Analyst for Olin Corporation in St. Marks, Florida, conducting environmental sampling and laboratory analyses associated with the plant's State and Federal wastewater and environmental monitoring permits. He is a 1982 graduate of Florida State University with a bachelor's degree in Biology.

John Wilson, U.S. Environmental Protection Agency

John Wilson is a research microbiologist with U.S. Environmental Protection Agency. He has worked on ground water issues at the R.S. Kerr Center since 1978. He led the development of the U.S. EPA approach to evaluate Monitored Natural Attenuation of organic contaminants in ground water. His personal research has focused on natural biodegradation of BTEX compounds, ethanol, MTBE, TBA, EDB, and chlorinated solvents in ground water. His involvement with biodegradation of fuel vapors in soil gas began in 1990 and his recent work focuses on improved methods to sample fuel vapors and oxygen in the soil gas.

O'Deana Wilson, Colorado Division of Oil and Public Safety

O'Deana Wilson is the Technical Specialist for the Field Inspection Section of the Colorado Division of Oil and Public Safety. Her responsibilities consist of approving the installation and upgrade permits, overseeing office personnel, registrations, record reviews, inspections, closures of UST's and AST's within Colorado. She is also responsible for working with enforcement to develop state wide compliance mandates and tracking systems. She has participated in UST, ICC - International Codes Council, AST workgroups to assist with the development of Colorado's specific regulations, operator training, and guidance documents. Prior to joining the Division of Oil and Public Safety in 2007, she spent twenty four years in the private sector working for oil companies as an operator, maintenance supervisor and environmental specialist. She received a bachelor's degree in Industrial Design from CIA in 2004.

John Wright, Florida Department of Environmental Protection

John Wright is an Environmental Engineer with the Florida Department of Environmental Protection. He has been with DEP for over 20 years, has worked with Florida's Petroleum Cleanup Program for the past sixteen years, and is the Assistant Chief Engineer for the program. His duties at FL DEP include technical oversight of fifteen contracted county programs, reviewing remedial designs, and assisting with remediation policy development. He has also supervised the operation of the off-site notification call center. He received a bachelor's degree in Environmental Engineering from the University of Florida in 1983.

Laura Kimi Yoshii, U.S. Environmental Protection Agency

Laura Yoshii is currently serving as the Acting Regional Administrator (RA) for the Environmental Protection Agency (EPA) Region 9. She served in this acting RA role once before, from January to October 2001. Prior to this current assignment, she served as the EPA Region 9's Deputy Regional Administrator since 1996. She began her career with EPA as a Presidential Management Intern in 1978 and carried out various managerial assignments including the Director of Waste Management Division with responsibility for RCRA Hazardous Waste, Solid Waste and Underground Tank programs and Director of the Communities and Ecosystems Division with responsibility for Pesticides and Toxics, Tribal, Outer Pacific Islands, Federal Facilities and Environmental Justice. In 1986, through an intergovernmental personnel assignment, she served as the Director, California Toxic Program Planning, Policy and Evaluation Division, CA Department of Health Services where she helped establish California's hazardous waste program. She holds a bachelor's degree in Sociology from the University of California, Berkeley and a master's degree in Public Administration from California State, Hayward.

Bob Young, Petroleum Equipment Institute

Bob Young has worked for the Petroleum Equipment Institute (PEI) for the past 21 years. In his capacity as Industry Resource Liaison he currently oversees development, publication and revisions of the PEI's Recommended Practices, and is responsible for the 10 technical committees comprised of over 100 industry-related committee members. He is also responsible for the recently-released PEI Online RP Tests. He has previously presented at the National Tanks Conference in Orlando, has spoken at EPA Regional workshops and, in addition, has made numerous presentations to various petroleum equipment contractor associations and other industry-related associations.

Andrea Zajac, Michigan Department of Environmental Quality

Andrea Zajac has worked for the State of Michigan for 25 years and has been in charge of the technical/rules concerning underground storage tanks for 19 years. She also regulates aboveground storage tanks containing flammable and combustible liquids, liquefied petroleum gases (LPG) tanks, compressed natural gas (CNG) and liquefied natural gas (LNG) storage tanks. Michigan was the first state to promulgate rules governing the storage and handling gaseous and liquefied hydrogen, they became effective in May of 2008. She is a member of National Fire Protection Association (NFPA) pamphlet 2, 30 and 30A Committees and is a member of Underwriters Laboratory (UL) STP working committee on UL Standards 58, 1746, and 1316. She is a graduate of Michigan Technological University with a bachelor's degree in Geological Engineering.

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