

# POSTER DISPLAYS

## Remedy Process Optimization

***Techniques Used to Measure Remediation System Performance at Four Venting System Sites, Former Kelly AFB***  
Matthew Alexander, Ph.D., P.E., Science Applications International Corporation (SAIC)

***Managing Effluent to Optimize Costs for a Groundwater Treatment at Hill Air Force Base***  
Stacey Arens, URS Corporation

***Optimization of In-situ Remediation Achieved by Bundling Complementary Treatment Technologies***  
Richard Cartwright PE, CHMM, MECX, LLC

***Using Hot-Spot Bioreactors to Reduce Landfill O&M Costs and Accelerate Closure***  
Doug Downey, Parsons

***In Situ Enhanced Bioremediation to Treat Nitroaromatics in Groundwater***  
Steven Downey, Shaw Environmental, Inc.

***West Virginia Ordnance Works - Site Optimization through Partnering and Innovation***  
John Fellingner, TechLaw Inc.

***In Situ Thermal Remediation of NAPL Using Electrical Resistance Heating***  
David Fleming, Thermal Remediation Services, Inc.

***GWRTAC's Groundwater Central®: Portal to Groundwater Information on the Web***  
Dawn Kaback, Ph.D., Concurrent Technologies Corporation

***Modeling Tools and Optimization Plans for Evaluation and Control of Remediation Process after Chemical Mining of Uranium***  
Jirí Mužák, DIAMO, s. p., o. z. TÚU

***Remedial Process Optimization at Edwards Air Force Base***  
David Porter, Tybrin Corporation

***Experimental Evaluation of surfactant/foam in Groundwater Remediation***  
Jiann Gwo Rong, Ph.D., School of Public Health, National Defense Medical Center

***In-Situ Thermal Remediation for Enhancement of Soil Vapor Extraction and Groundwater Recovery for Removal of Non-Aqueous Phase Liquids at a Former Florida DOT Maintenance Yard***  
David Rountree, PE, WRS Infrastructure & Environment, Inc.

***Remedial Process Optimization Implementation Tracking***  
Bob Sextro, Mitretek Systems

***Recent Development of In-situ Surfactant Flushing and Case Studies for NAPL-Impacted Site Closure and Remediation***  
B.J. Ben Shiau, Ph.D., P.E, Surbec Environmental, LLC

***Groundwater Collection SCADA Control Systems and O&M Database Compilations for the Former Kelly AFB***  
Barry Shirk, Science Applications International Corporation (SAIC)

***Process Optimization of a TCE Remediation System at an Operating Industrial Facility***  
Eric Snider, Ph.D., P.E., DEE, GeoSyntec Consultants

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***Continual Optimization of Remediation Alternatives Using Updated Groundwater Flow and Transport Models at Former Kelly Air Force Base, Texas***

Kan Tu, Ph.D., HydroGeoLogic, Inc.

***Remediation System Optimization During Design and Operation & Maintenance Phases***

Charles Whisman, P.E., Groundwater & Environmental Services, Inc.

***An Integrated Technological and Implementation Approach to Optimizing DNAPL Source and Plume Remediation***

Richard Wice, Shaw Environmental, Inc.

***Metals Remediation Compound (MRC™): A New Slow-Release Product for IN SITU Metals Remediation***

Anna Willett, Regenesis

***Pulsed Air Sparging Field Test at the Former C 1-33***

Xiaomin Yang, Ph.D., BP Remediation Management Function

### **Site Characterization, Long Term Monitoring, and Data Management Optimization**

***A Summary of the Past Five Years of Groundwater Remediation at MMR and the Evaluation of the Effectiveness of Periodic Remedial System Optimizations***

Ken Black, Jacobs Engineering

***Automated Analysis of Chromium(VI) for Long-Term Monitoring of Ground and Surface Waters***

Scott Burge, Ph.D., Burge Environmental

***Accelerating the Availability of Monitoring Data Through Electronic Data Management Tools***

Tammy Carey, CH2M HILL

***Soil Screening using the Membrane Interface Probe: Controlling False Positives and False Negatives***

John Dougherty, P.G., CDM

***Long Term Monitoring of Natural Attenuation Processes by Thermal Measurements***

Martin Müller, University of Stuttgart, VEGAS - Research Facility for Subsurface Remediation

***New Strategies for the Development of Environmental Biosensors***

Stephen Koenigsberg, Ph.D., Regenesis Bioremediation Products

***Standardizing Data Management to Optimize Remedial Treatment System Operation and Achieve Remedial Goals***

Jennifer Martin, EA Science and Technology

***Optimization of Costs and Time for Site Characterization and Remediation Measures Using Innovative Sensor Technologies***

Martin Müller, University of Stuttgart, VEGAS - Research Facility for Subsurface Remediation

***Sampling Explosives in Ground Water Using the Redesigned HydraSleeve Sampler and USGS Nylon Diffusion Sampler***

Louise Parker, USA ERDC CRREL

***Spatial Optimization of Long-Term Monitoring Well Networks at the Massachusetts Military Reservation (MMR)***

David Ward, Jacobs Engineering Group Inc.

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## **Strategic Considerations for Site Closeout**

### ***Remediation Reviews to Optimize Remedial System Performance: A Private Sector Case Study***

Robin Boyd, P.G., Gannett Fleming, Inc.

### ***Considering Life-Cycle Characteristics to Optimize the Design of Remedial Systems***

Wendy Condit, Battelle

### ***Technical Impracticability – Guidance for Site Managers***

Elisabeth Hawley, Malcolm Pirnie, Inc.

### ***Optimization of Remedy Selection at Former Industrial Facilities Under New Ownership***

Elizabeth Rasmussen and Edwin Madera, Raytheon Company

### ***EPA Region 6 Ready for Reuse Program***

Jeanne Schulze, U.S. Environmental Protection Agency Region 6

### ***Improving Performance on Remedial Actions Using Performance Based Work Assignments: Two Case Studies***

Udai Singh, CH2M HILL

### ***Solvent-less Extraction Techniques for Long Term Monitoring of Military Unique Compounds***

David Splichal, US Army Corps of Engineers, Engineer Research and Development Center, Environmental Laboratory, Environmental Chemistry Branch