

CONFERENCE AGENDA

Monday - October 7, 2019

Presenters and Authors

9:00 am - 6:30 pm Registration Desk Open

8:00 am - 1:00 pm Exhibitor and Poster Setup

1:00 - 1:20 pm Opening Remarks, Welcome to Philadelphia, and Keynote Address

1:00 - 1:10 pm Opening Remarks Dan Kopcow, P.E., PMP (GEI Consultants, Inc.)

1:10 - 1:20 pm Welcome to Philadelphia and Keynote Address Kevin Grooms (PGW)

1:20 - 3:15 pm **SESSION 1**
New Approaches

1:20 - 1:25 pm Moderator's Introduction Jeff Clock, M.S., M.B.A. (Electric Power Research Institute - EPRI)

1:25 - 1:45 pm Alternative Approaches to Earth Retention Joseph R. Ridgway, P.E., Tim Olean (Ramboll)

1:45 - 2:05 pm Innovative Regulatory Approach to MGP Site Clean-up and Redevelopment "The North Carolina MGP Program Update" Patrick Watters (North Carolina - Dept. of Environmental Quality), Tim Silar (Silar Services, Inc.)

2:05 - 2:25 pm Moths - The Tea Leaves of Restoration Richard Beck, Blaine Rothausser (GZA GeoEnvironmental, Inc.)

2:25 - 2:45 pm Remediation of High-Boiling Point Poly-Aromatic Hydrocarbons (PaHs) using a Temperature Enhanced Bio-Augmentation Process Ray Sambrotto, Ph.D., Michael Chin (Allied Microbiota), Averil Rance, Paul Lane (Clean Earth)

2:45 - 2:50 pm Moderator - Q&A Jeff Clock, M.S., M.B.A. (Electric Power Research Institute - EPRI)

2:50 - 3:15 pm Refreshment Break in Exhibit Hall and Poster Hall

3:15 - 4:45 pm **SESSION 2**
In-Situ Technologies

3:15 - 3:20 pm Moderator's Introduction Bill Haswell (Haley & Aldrich, Inc.)

3:20 - 3:40 pm Containment Technology Utilizing Discrete ISS Tim Silar (Silar Services, Inc.)

3:40 - 4:00 pm Long-Term Anaerobic Bioremediation of MGP Contaminants by Iron- and Sulfate-Reducing Bacteria Following Combined ISCO/ISS Treatment Daniel P. Cassidy, Ph.D., P.E. (Western Michigan University), Vipul J. Srivastava (Burns & McDonnell Engineering, Inc.), Frank J. Dombrowski (WEC Energy Group)

4:00 - 4:20 pm Naphthalene Stable Isotope Probing Illustrates that Sulfate Amendment Enhances Biodegradation at a Former Manufactured Gas Plant Monica B. Heintz, Jeff McDonough, John Brussel, Catherine Geraci, Matt Hysell (Arcadis), James Morgan, Steve Beam (National Grid)

4:20 - 4:40 pm In Situ Stabilization and Solidification (ISS) Optimized: Benefits of Adding Sodium Persulfate Brant Smith, P.E., Ph.D. (PeroxyChem)

4:40 - 4:45 pm Moderator - Q&A Bill Haswell (Haley & Aldrich, Inc.)

CONFERENCE AGENDA

Monday, October 7, 2019 (continued)

4:45 - 5:30 pm	SESSION 3 Panel Discussion	
	Moderator's Introduction	Susan Welt, M.PH., P.E. (Geosyntec Consultants, Inc.), Gary Hunt (TRC)
	Improving Community Relations	Kelly Henry (H&G Public Affairs), Dennis Toft (Chiesa, Shahinian & Giantomasi PC), Frank Lawson (First Energy)
	Moderator - Q&A	Susan Welt, M.PH., P.E. (Geosyntec Consultants, Inc.), Gary Hunt (TRC)
5:30 pm	Adjourn and Announcement of Reception	
5:30 - 7:00 pm	Reception in Exhibit and Poster Halls	

Tuesday - October 8, 2019

Presenters and Authors

7:30 - 5:30 pm	Registration Open	
7:30 - 8:30 am	Continental Breakfast in the Exhibit and Poster Halls	
8:30 - 10:00 am	SESSION 4 Remediation Case Studies	
8:30 - 8:35 am	Moderator's Introduction	Joe Foglio (GZA)
8:35 - 8:55 am	Define "Clean": Developing Clear Exit Strategies for Achieving Remedial Goals	Rachel Klinger, Jim Langenbach (Geosyntec Consultants, Inc.), Christopher Gasinski (Tampa Electric Company/ Peoples Gas System)
8:55 - 9:15 am	Experience with ISCO Pilot Test for Residual Product Remediation in New Jersey	Thomas R. Plante, P.E. (Haley & Aldrich, Inc.), Thomas Merenda (New Jersey Natural Gas Company)
9:15 - 9:35 am	Facility Coordination for Remediation at an Active Utility Service Center	William Monette, P.E. (Ramboll), Gerald Cummins (National Grid)
9:35 - 9:55 am	Overcoming Remediation and Stakeholder Challenges at a Former Small MGP Site in Upstate New York	Matthew O'Neil, Christopher Akudo, P.E., Eric Spazzarini (GEI Consultants, Inc.), Yelena Skorobogatov (Con Edison)
9:55 - 10:00 am	Moderator - Q&A	Joe Foglio (GZA GeoEnvironmental, Inc.)
10:00 - 10:30 am	Refreshment Break in Exhibit and Poster Halls	

Tuesday, October 8, 2019 (continued)

10:30 am - 12:00 pm	SESSION 5 Alternate Approaches	
10:30 - 10:35 am	Moderator's Introduction	Yelena Skorobogatov (Con Edison)
10:35 - 10:55 am	What a Utility Company Should Know When Faced with Sampling for Emerging Contaminants	Jeff Holden, P.E., LSP, LEP (GEI Consultants, Inc.), Lisa Gilbreath (Pierce Atwood LLP)
10:55 - 11:15 am	Reconstruction of Historical Processes to Quantify Contaminant Mass Loading from Manufactured Gas Plants to Nearby Waterways	Phillip Ludvigsen, Ph.D., Josh Heltzer, B. Tod Delaney, Ph.D., P.E., BCEE (First Environment, Inc.)
11:15 - 11:35 am	Redevelopment of ISS-Treated Former MGP Sites -Is it a Possibility?	Paul R. Lear, Ph.D. (Great Lakes Environmental & Infrastructure)
11:35 - 11:55 am	A Survey of Liability Estimating Approaches and the Common Pains for Former MGP	Jennifer Hagen, P.E., Laurie Parsons, P.E., PH (Ramboll)
11:55 - Noon	Moderator - Q&A	Yelena Skorobogatov (Con Edison)
Noon - 1:00 pm	Lunch Break	
12:30 - 12:50 pm	Luncheon Presentation - Remediation Pursuant to a PADEP Consent Order and Agreement	Tony Rymar (UGI)
1:00 - 1:30 pm	SESSION 6 Panel Discussion	
	Moderator's Introduction	Dave Palmer, P.G., PMP, EVMP (Ameren)
	Creating Robust Site Datasets to Meet the Evolving Needs of All Stakeholders	Frank J. Dombrowski (WEC Energy Group), William Caldicott (ISOTEC), Donald Schilling (GEI Consultants, Inc.)
	Moderator - Q&A	Dave Palmer, P.G., PMP, EVMP (Ameren)
1:30 - 3:00 pm	SESSION 7 Remediation Case Studies	
1:30 - 1:35 pm	Moderator's Introduction	Amanda Haugen (Burns & McDonnell Engineering, Inc.)
1:35 - 1:55 pm	Full-Scale Reactive Cap Remedy Installed to Address Ebullition-Related Sheen Activity: History, Community, and Combined Sewage	Sean M. Carroll, P.E., LEP, John P. Austgen, Kristen M. Wright-Ng (Haley & Aldrich, Inc.), Marc B. Okin, CPG (NiSource, Inc.)
1:55 - 2:15 pm	In-Situ Solidification at The Manistee Former Manufactured Gas Plant Site	Andrew Santini (Consumers Energy) Adam Chwalibog (NorthStar)

CONFERENCE AGENDA

Tuesday October 8, 2019 (continued)

2:15 - 2:35 pm	In-Situ Remediation of Residual Upland and Sediment Contamination and Groundwater to Surface Discharge: Case Studies of Full-Scale Treatment Systems	John Collins, John Hull (AquaBlok, Ltd.)
2:35 - 2:55 pm	Elizabeth City, NC Former MGP Remediation Case Study	Christopher Bradley, Jon Williams (GEI Consultants, Inc.), Gregory Corbett (Southern Company Gas)
2:55 - 3:00 pm	Moderator - Q&A	Amanda Haugen (Burns & McDonnell Engineering, Inc.)
3:00 - 3:30 pm	Refreshment Break in Exhibit and Poster Halls	

3:30 - 5:20 pm SESSION 8 Sediment Remediation

3:30 - 3:35 pm	Moderator's Introduction	Todd Bachand (Duke Energy)
3:35 - 3:55 pm	Concept to Construction for a Design-Build MGP Dredging Project	Ross Johnson (J.F. Brennan Company, Inc.), Eric Ealy (Xcel Energy)
3:55 - 4:15 pm	In-Situ Stabilization and Dredging of Coal Tar Impacted Sediments	Dave Palmer, P.G., PMP, EVMP, Mike Gardner, Dave Lowry, P.E., PMP, STS (AECOM)
4:15 - 4:35 pm	Sediment Remediation at the Plattsburgh (Saranac St.) Former Manufactured Gas Plant Site	Jason Golubski, P.E., Mark Gravelding, P.E. (Arcadis), Gary Rose (Sevenson), Tracy Blazicek, CHMM, PMP (NYSEG)
4:35 - 4:55 pm	Guide to Sediment Cap Construction and Monitoring	Grant Wallace, Daniel Kopcow, P.E., PMP, Paul Jansen, Roger Hathaway, P.E. (GEI Consultants, Inc.), Jeffrey A. Clock, M.S., M.B.A. (EPRI)
4:55 - 5:15 pm	Interpreting PAH Vertical Profiles in Sediment Pore Water To Improve Reactive Cap Modeling	Helder J. Costa, Laura McWilliams, Ph.D., LG, Ryan Scott, P.E. (Haley & Aldrich, Inc.), Kevin Elek (Pacific Gas and Electric Company)
5:15 - 5:20 pm	Moderator - Q&A	Todd Bachand (Duke Energy)
5:20 pm	Adjourn and Announcement of Reception	
5:30 - 7:00 pm	Reception in Exhibit and Poster Halls	

Wednesday - October 9, 2019

Presenters and Authors

7:30 am - 12:15 pm	Registration Open
7:00 - 8:00 am	Continental Breakfast in Exhibit and Poster Halls

Wednesday October 9, 2019 (continued)

8:00 - 10:00 am	SESSION 9 Remediation Case Studies	
8:00 - 8:05 am	Moderator's Introduction	Randy Sillan (AECOM)
8:05 - 8:30 am	The State of MGP Remediation 2019	John A. Ripp, Roger Hathaway, P.E., Dennis F. Unites, P.G., LEP (GEI Consultants, Inc.)
8:30 - 8:50 am	"Draining the Swamp": Pilot Test Leads to 13,000 Gallons of Tar Removal Under a Mall Parking Lot and Forms the Basis for a Remedy	Kristen M. Wright-Ng, Sean M. Carroll, P.E., LEP (Haley & Aldrich, Inc.), Marc B. Okin, CPG (NiSource, Inc.)
8:50 - 9:10 am	Application of a Diagnostic Ratio Evaluation Model to Distinguish MGP-Derived PAHs from Urban Background	Deborah Chiavelli, Peter Kwon, Michael Rury, George Dang (Anchor QEA, LLC)
9:10 - 9:30 am	Field and Laboratory Verification of Preparation of a Chemical Containment Sub-Aqueous Cap and Upland Barrier Wall	Geoffrey Schwartz, Matthew Barvenik, Vijay Radics (GZA GeoEnvironmental, Inc.), Kenneth Lento (National Grid), Jaime Harrison-Rice, Billie Jo Gauley, P.G. (Anchor QEA, LLC)
9:30 - 9:50 am	Developing and Implementing an MGP Site Prioritization Framework	James W. Rice, Ph.D, Kurt D. Herman, M.Eng., P.G. (Gradient)
9:50 - 10:00 am	Moderator - Q&A	Randy Sillan (AECOM)
10:00 - 10:30 am	Refreshment Break in Exhibit Hall and Poster Hall	
10:30 am - 12:00 pm	SESSION 10 Sediment Remediation	
10:30 - 10:35 am	Moderator's Introduction	Andrew Timmis (J.F. Brennan Company, Inc.)
10:35 - 10:55 am	Surface Water Diversion For Sediment Excavation - An Evaluation of Common Techniques at MGP sites	Frank M. Ricciardi (Weston & Sampson), Gary Iadorola (Eversource Energy)
10:55 - 11:15 am	Sediment Cap Design, Modeling, and Construction	Steven C. Shaw (Sevenson Environmental Services), Dale Kolstead, Tom Boom (Barr), Andrew Santini (Consumers Energy)
11:15 - 11:35 am	Spatial Variations in Ambient Polycyclic Aromatic Hydrocarbon Concentrations in Sediment in a Complex Urban River System	Michael Kierski, Kirk O'Reilly, Melanie Edwards (Exponent), Sarah Meyer, Eric Hritsuk (Ramboll), Robert Paulson (WEC Energy Group – Business Services)
11:35 - 11:55 am	Source Allocation Modeling: Checking Under the Hood	Caroline B. Tuit, Ph.D. (Gradient)
11:55 am - 12:00 pm	Moderator - Q&A	Andrew Timmis (J.F. Brennan Company, Inc.)
12:00 - 12:10 pm	Closing Comments	Daniel Kopcow, P.E., PMP (GEI Consultants, Inc.)
	Conference Adjourns	