



Missouri Annual Environmental Conference

July 14 – 16, 2019

Margaritaville Lake Resort • Osage Beach, MO

SUNDAY, JULY 14

- 11:00 AM Golf Tournament – The Oaks, shotgun start
- 2:00 PM Exhibits set up – Paradise Ballrooms A, B
- 4:00 PM Registration – Foyer to Paradise Ballroom
- 6:00 PM WELCOME RECEPTION – Paradise Ballrooms A, B
- 8:00- 10 PM Board Reception for Young Professionals – Windgate 60-61
New to Industry (less than 5 years)

MONDAY, JULY 15

- 7:30 AM Registration and exhibits open – Paradise Ballrooms A, B
Coffee available
- 8:30 AM **Breakfast – PLENARY SESSION** – Paradise Ballroom C
Steve Schnarr, Missouri River Relief



Monday, July 15, 2019

10:00 AM Break – Paradise Ballrooms A, B

10:30 AM **CONCURRENT EDUCATIONAL SESSIONS**

SOLID WASTE SESSION - Nautical Wheeler

- **EPA Update for Coal Combustion Residuals** – Clarissa Howley Mills, Attorney, and Bob Aston, U.S. EPA Region 7
- **A Balancing Act – The Many Requirements at a Modern Landfill** – Doug Doerr, P.E., SCS Engineers
- **So You Want to Develop a NEW, GREENFIELD Municipal Solid Waste Landfill** - Thomas R. Gredell, P.E., GREDELL Engineering Resources, Inc.

ENVIRONMENTAL SESSION - Parasol I

- **The Long Term Effect of Enhanced Anaerobic Bioremediation on Secondary Water Quality and Its Implication for Vapor Intrusion** – Michael R. Sieczkowski, JRW Bioremediation.
- **Vapor Intrusion: Balancing Regulatory Requirements and Cost Considerations** – Jennifer Martin, Attorney, HeplerBroom LLC; and Mary Juan, Environmental Operations, Inc.

BROWNFIELDS SESSION - Windgate 62-64

- **The BVCP at Work: Helping Rural and Urban Communities Redevelop Brownfield Properties** – Scott Huckstep, MoDNR, Cordaryl “Pat” Patrick, St. Louis Economic Development Partnership, and Lloyd Clouse, Mayview Mo Foundation

Monday, July 15, 2019

TANKS SESSION - Parasol II

- **Welcome, discussion of recent issues, discussion of upcoming topics, tech bulletins, trainings, webinars** – Laura Luther, MoDNR
- **Site discussion “showing MEP using short term MPE”** – Steve Lang, P.E., MODNR, and Theresa Ferguson, ATC Group Services LLC

12:00 PM **Lunch and award presentations**
 Speaker: Cate Holston, U.S. EPA Criminal Investigation Division

1:30 PM	CONCURRENT EDUCATIONAL SESSIONS
---------	--

SOLID WASTE SESSION - Nautical Wheeler

- **Field Safety – Unique Safety Risks for Field Operations at Solid Waste Facilities** – Andrew Phillips and Austin Banks, Barker Lemar Engineering Consultants
- **Navigating Organics Management into the Future: The Intersection of Waste Diversion, Green Energy, and Financial Sustainability** – Robert W. Craig, Burns & McDonnell Engineering; Stan Slaughter, Missouri Organics Recycling; and Erick L. Roberts, City of Springfield

ENVIRONMENTAL SESSION - Parasol I

- **Dye Tracing to Understand Water Flow at Industrial and Waste Sites** – Shiloh Beeman, GeoEngineers
- **Groundwater Monitoring System Design, Use What You Learned in School!** – Grant Elliott, Mikel C. Carlson, R.G., and Ken A. Ewers, R.G., GREDELL Engineering Resources, Inc.
- **U.S. EPA PCB Facility Approval Streamlining Toolbox (FAST): Streamlining the Cleanup Approval Process** – Annah Murray, U.S. EPA Region 7

Monday, July 15, 2019

BROWNFIELDS SESSION - Windgate 62-64

- **Financial and Technical Resource Assistance for Brownfields** – David Doyle, U.S. EPA Region 7, and Maggie Egbarts, K-State TAB Program

TANKS SESSION - Parasol II

- **The Use of Remote Sensing Equipment in Faulted Karst Terrain to Optimize Gasoline Remediation** – Chris Schafer, CHMM, Sunbelt Environmental Services, Inc.
- **Utility Technical Bulletin Discussion** – Justin Buckler, MoDNR

3:00 PM Break – Paradise Ballrooms A,B

3:30 PM **CONCURRENT EDUCATIONAL SESSIONS**

SOLID WASTE SESSION – Nautical Wheeler

- **Bridgeton Sanitary Landfill – St. Louis County, Missouri** – Mark Milward, R.G., St. Louis County; Erin Fanning, Republic Services; and Chris Nagel, MoDNR

ENVIRONMENTAL SESSION – Parasol I

- **OSHA’s Respirable Silica Standard** – Daniel Stark, MO Department of Labor, Division of Labor Standards
- **Recent Changes to the Missouri Well Construction Rules** – Justin Davis, MoDNR, Missouri Geological Survey

BROWNFIELDS SESSION – Windgate 62-64

- **BVCP Tech Talk** – Chris Cady Ph.D., Brian McCurren, and the Brownfields Project Managers, MoDNR

Monday, July 15, 2019

TANKS SESSION – Parasol II

- **Off-Site Demonstration of Sonic Rotary Drilling Rig for Bedrock Monitoring Well Installations** – Bobbilynne Koepke, R.G., Environmental Works, Inc.
***Participants for this session should be in main lobby to go to Rapid Roberts site at 3:00 pm via golf carts.*

5:00 PM RECEPTION – Bring the Family! - Paradise Ballrooms A, B

TUESDAY, JULY 16

7:30 AM Registration and exhibits open – Paradise Ballrooms A, B
Breakfast available
SWANA meeting – check for reserved tables

8:30 AM CONCURRENT EDUCATIONAL SESSIONS

SOLID WASTE SESSION – Nautical Wheeler

- **Incorporating Solid Waste Management into an Integrated Plan** – Errin Kemper and Erick L. Roberts, City of Springfield
- **Getting Wise About Your Waste** – Cynthia Mormile, MSW Consultants
- **Waste & Recycling Audits – What’s There and What’s Next?** – Laura Drescher, P.E., Burns & McDonnell Engineering Company

ENVIRONMENTAL SESSION – Parasol I

- **Injection Wells for Responsible Liquids Management** – Stephanie Hill, SCS Engineers
- **PFA’s in Landfill Leachates – Overview and Handling Options** – Viraj deSilva, Ph.D., P.E., BCEE, SCS Engineers

Tuesday, July 16, 2019

TANKS SESSION – Parasol II

- **Discussion of Domestic Use Evaluations** – Brenna McDonald, MoDNR, Missouri Geological Survey
- **Bedrock Drilling Discussion** – Matthew Stone, MoDNR

LEGAL SESSION – Windgate 62-64

- **Legal Update — Recent Legislation and Court Decisions** – Stephen Jeffery, attorney, Jeffery Law Group, LLC
- **Enforcement in an Era of Cooperative Federalism** – Roger Walker, RegForm

10:00 AM Break – Paradise Ballroom A, B

10:30 AM **CONCURRENT EDUCATIONAL SESSIONS**

SOLID WASTE SESSION – Nautical Wheeler

- **Using GCL to Replace Compacted Clay Liner – Balancing the Environment and the Economy** – Daniel Landrum, Weaver Consultants Group; and Brady Stewart, Waste Connections
- **Design and Construction of a ClosureTurf® Final Cover System** – Dillon Baird, P.E., SCS Engineers.
- **Avoidable Complications in Landfill Leachate and Condensate System Design** – Tim Hasslen, EPG Companies

ENVIRONMENTAL SESSION – Parasol I

- **PFAs and Waste – What to Do with It Now?** – Harry Behzadi, Ph.D., SGS-EHS North America
- **Available Treatment Options for PFAs/PFOs** – Angie Martin, P.E., CHMM, Heritage Environmental Services

TANKS SESSION – Parasol II

- **Plume Stability Analysis and other Groundwater Plume Analytics® Tools for Evaluating Petroleum Hydrocarbon Sites** – Joe A. Ricker, P.E., EarthCon
- **Plume Stability Evaluations** – Justin Buckler and Todd Birky, MoDNR

LEGAL SESSION – Windgate 62-64

- **Environmental Regulation, Permitting, and Enforcement in Today’s EPA and MoDNR** – James Price, attorney, Spencer Fane
- **Emerging Contaminants: What’s New and What’s Coming** – James Price, attorney, Spencer Fane

12:00 PM Networking Lunch – Paradise Ballroom C
Raffle drawing

1:00 PM **CONCURRENT EDUCATIONAL SESSIONS**

SOLID WASTE SESSION – Nautical Wheeler

- **Options for Managing Per or Polyfluorinatedalkyl Substances (PFAs) in Landfill Leachate and Wastewater** – Frank Marine, Texas Molecular
- **Solid Waste Management Program Rules Update** – Greg Snellen, MoDNR

Tuesday, July 16, 2019

ENVIRONMENTAL SESSION – Parasol I

- **Mass Animal Mortality Events – Preemptive and Emergency Response Services** – Fletcher Bone, R.G., Mo DNR, Missouri Geological Survey
- **Passive Groundwater Sampling Is Now a Mainstream Method – If You Can Get Enough Water** – Sandy Britt, QED Environmental Systems, Inc., and Bill Reetz, A Better Earth, LLC

TANKS SESSION – Parasol II

- **UST Installation and Operational Compliance Updates** – Darryl Slade, MoDNR
- **“Ask the PM”** – Panel Discussion (Laura Luther, Matthew Stone, Justin Buckler, Steve Lang, Darryl Slade, Chris Veit)
- **The Benefits of HVDPE vs. Other Technologies** – Noel Shenoi, CalClean

LAND DEVELOPMENT SESSION – Windgate 62-64

- **Chlorinated Solvent Impact on Property Redevelopment: A Case Study** – Anthony Moore, Environmental Works, Inc.
- **Redeveloping the Former Blum Scrapyard in Dubuque, Iowa – Strategies in “Green Remediation” on Complex Brownfields Sites to Create an Equitable Community** – Emily Smart, Blackstone Environmental, Inc. and Maurice Jones, City of Springfield, Missouri

3:30 PM

Adjourn conference