

Conference Schedule Overview

Sunday, June 21

10:00 AM	Brunch with Dad
12:00 PM	Golf Tournament at Witches Cove
1:00 PM	Tropic Island Cruise for family members
4:00 PM	Registration, Exhibit set up
7:00 PM	Welcome reception

Monday, June 22

7:30 AM	Registration, exhibits, Speakers Breakfast
8:30 AM	Special Session - FISH!
8:30 AM	Brownfields Workshop Begins
10:00 AM	Break in Ballroom with Exhibits
10:30 AM	Concurrent sessions Solid Waste • Climate Change • Environmental Update • Brownfields
12:00	Lunch - Keynote Speaker: Mark Templeton, MDNR Director
1:30 PM	Concurrent sessions Solid Waste • Climate Change • Environmental Update • Brownfields
3:00 PM	Break in Ballroom with Exhibits
3:30 PM	Concurrent sessions Solid Waste • Climate Change • Environmental Update • Brownfields
5:00 PM	Reception - casino party and other games

Tuesday, June 23

7:30 AM	SWANA breakfast
8:00AM	Exhibits, Registration, Speakers Breakfast
9:00 AM	Concurrent sessions Solid Waste • Climate Change • Environmental Update • Tanks
10:30 AM	Break in Ballroom with Exhibits
10:45 AM	Concurrent sessions Solid Waste • Climate Change • Environmental Update • Tanks
12:00	Awards Luncheon
1:30 PM	Concurrent sessions Solid Waste • Environmental Update • Tanks
3:00 PM	Break
3:15 PM	Concurrent sessions Solid Waste • Environmental Update • Tanks
5:00 PM	Conference ends

Conference Agenda

Sunday, June 21

10 AM	Brunch with Dad	Witches Cove
12 PM	GOLF TOURNAMENT	Witches Cove
1 PM	Tropic Island Cruise for family members <i>sponsored by Genesis Solid Waste Group, Inc.</i>	
4 PM	Exhibit set up Registration	Grand Ballroom Bridge
7 PM	WELCOME RECEPTION <i>sponsored by Barker Lemar Engineering Consultants, and Aquaterra Environmental Solutions, Inc.</i>	Valencia

Monday, June 22

7:30 AM	Exhibits open	Grand Ballroom
7:30 AM	Registration	Bridge
7:30 AM	Breakfast <i>sponsored by Armor Equipment and Midwest Environmental Consultants</i>	Grand Ballroom
8:30 AM	SPECIAL SESSION - FISH! (see pg 6 for details)	Valencia
8:30 AM	BROWNFIELDS TRAINING <i>- Overview and Understanding of Brownfields</i>	Marbella B
10:00 AM	Break <i>sponsored by SCS Engineers and PDC Laboratories, Inc.</i>	Grand Ballroom
10:30 AM	<i>Concurrent sessions</i> • SOLID WASTE TRACT (√) <i>- Feasibility of Powering a Deep GW Pump - The “Noordbergum Effect”</i>	Marbella A
	• CLIMATE CHANGE TRACT <i>- Carbon Credits - What Does Green Mean to You</i>	Valencia
	• ENVIRONMENTAL UPDATE <i>- Crystal City - Jobs Unwanted</i>	Seachase
	• BROWNFIELDS TRAINING <i>- Assistance is Available for Brownfields</i>	Marbella B

Conference Agenda

12:00	LUNCH KEYNOTE SPEAKER: MARK TEMPLETON, Director, Missouri Department of Natural Resources <i>sponsored by MDNR Brownfields/Voluntary Cleanup Program and MDNR Solid Waste Management Program</i>	Hotel Exhibit Hall
1:30 PM	<i>Concurrent sessions</i> • SOLID WASTE TRACT (√) - Case Study: Bringing Together Multiple End Users - Wireless Data Acquisition of Leachate/Groundwater • CLIMATE CHANGE TRACT - Creating Carbon Credits through Voluntary Emission - Greenhouse Gas Emission Inventory • ENVIRONMENTAL UPDATE (√) - Occurrence and Fate of Pharmaceuticals - Reducing the Spread of Veterinary Antibiotics • BROWNFIELDS TRAINING - Beyond Brownfield Cleanup	Marbella A Valencia Seachase Marbella B
3:00 PM	Break <i>sponsored by Downing Sales & Service, Inc. and Golder Associates</i>	Grand Ballroom
3:30 PM	<i>Concurrent sessions</i> • SOLID WASTE TRACT (√) - Geotextile Tubes for Dewatering Applications - Alternative Landfill Cover in Missouri • CLIMATE CHANGE TRACT - The Path to Regional Sustainability - Energy Efficiency Assistance & Energy Development • ENVIRONMENTAL UPDATE - Antidegradation Implementation - Resource Recovery Certification Program • BROWNFIELDS TRAINING - Shortcuts Are Not Always Shorter - Tips for Consultants	Marbella A Valencia Seachase Marbella B
5:00 PM	RECEPTION <i>Casino Party and Games sponsored by Fred Weber, Inc./ Crown Excel Disposal</i>	Hotel Exhibit Hall

Conference Agenda

Tuesday, June 23

7:30 AM	SWANA breakfast	Madrid
8:00 AM	Exhibits open	Grand Ballroom
8:00 AM	Registration	Bridge
8:00 AM	Breakfast <i>sponsored by Veolia Environmental Services</i>	Grand Ballroom
9:00 AM	<i>Concurrent sessions</i>	
	• SOLID WASTE TRACT (√) - Landfill Gas Migration Panel	Marbella A
	• ENVIRONMENTAL UPDATE (√) - E-Waste	Seachase
	• CLIMATE CHANGE TRACT (√) - The Changing Climate of Landfill Gas Collection - Creating Carbon Offsets from Landfill Gas Projects	Valencia
	• TANKS WORKSHOP - Opening Comments - MRBCA Update	Marbella B
10:30 AM	Break <i>sponsored by Key Equipment & Supply Co.</i>	Grand Ballroom
10:45 AM	<i>Concurrent sessions</i>	
	• SOLID WASTE TRACT (√) - Communicating Your Master Plan - Mid-America Regional Council	Marbella A
	• ENVIRONMENTAL UPDATE - Dye Trace Study in South Missouri - Geohydrologic Evaluation Process	Seachase
	• CLIMATE CHANGE TRACT - E = mc ² and the Future of Nuclear Energy	Valencia
	• TANKS WORKSHOP - The Climbing Hill Saga and MRBCA Issues	Marbella B

(√) *qualifies for DNR Solid Waste Technician Recertification*

Conference Agenda

12:00	AWARDS LUNCHEON <i>sponsored by Gredell Engineering Resources and MDNR Tanks Program</i>	Hotel Exhibit Hall
1:30 PM	Concurrent sessions <ul style="list-style-type: none"> • SOLID WASTE TRACT (√) <ul style="list-style-type: none"> - Explosive Waste Incinerator Upgrade - Changing the Face of Environmental Drilling • ENVIRONMENTAL UPDATE <ul style="list-style-type: none"> - DNR Emergency Response • TANKS WORKSHOP <ul style="list-style-type: none"> - Scenario - Site Review 	Marbella A Marbella B Valencia
1:30 PM	Exhibit Tear Down	Grand Ballroom
3:00 PM	Break	Foyers
3:15 PM	Concurrent sessions <ul style="list-style-type: none"> • SOLID WASTE TRACT (√) <ul style="list-style-type: none"> - The Future of Geenhouse Gas Regulations - 2006-2008 Waste Composition Study Results • ENVIRONMENTAL UPDATE (√) <ul style="list-style-type: none"> - Monitoring Well Installation Requirements • TANKS WORKSHOP <ul style="list-style-type: none"> - Update on recent SPCC Regulation Changes - SPCC Rule Amendments and Their Impact - SPCC Requirements: Recent Changes 	Marbella A Marbella B Valencia
5:00 PM	Conference ends.	

(√) qualifies for DNR Solid Waste Technician Recertification

SOLID WASTE TRACT

Monday, June 22

All these workshops will be located in Marbella A

10:30 - 12:00 ✓

Moderator: Brandy Kean, Burns & McDonnell Engineering Co.

1. Feasibility of Powering a Deep GW Pump with Renewable Energy in Rural Guatemala

A study has been conducted to establish if using renewable energy is technically and economically feasible to pump water in Sacala Las Lomas, Guatemala. A deep groundwater well has been proposed and a multi-stage pump system is being considered to distribute groundwater throughout the village. Wind velocity, wind direction, solar insolation, temperature, precipitation and barometric pressure data were collected over a one year study period. The data indicated that the potential power generated by a photovoltaic (PV) array or wind turbine would be insufficient to independently pump water to the village under current conditions. A grid-intertie system would allow any number of solar panels to be used in the system while still powering the electricity demand using grid-power. The current wind resources at the site are not sufficient to economically install a wind turbine.

Presenter: Will Granich, FTN Associates

2. The “Noorbergum Effect”

Recognition of unusual aquifer response should be of interest to any hydrologist working in the environmental field. This presentation documents a phenomenon known as the “Noordbergum Effect”, which manifests itself as a more or less instantaneous rise in groundwater level in response to pumping of an adjoining aquifer system. The head rise is of relatively small magnitude (<2 feet) and of short duration (<48 hours), but is considered unusual in that it is opposite the predicted effect observed during most pump tests (i.e. drawdown). The rapid head response, which technical literature (e.g. Hsieh, 1996) attributes to three-dimensional distortion of pore space resulting from the transference of horizontal strain from the aquifer via shear, is not predicted by standard groundwater theory. The hydrologic system where the Noordbergum Effect was observed involves the Springfield Plateau Aquifer, the underlying Ozark Aquifer, and intervening Ozark Confining Unit at a site located in southwestern Missouri. Observations of the effect are from a shallow, open-hole monitoring well placed in the Springfield Plateau Aquifer to document the response to pumping of a water supply well in the deeper Ozark Aquifer. The effect was reproduced and documented during three separate test events of the hydrologic system.

Presenter: Mikel C. Carlson, R.G., Gredell Engineering Resources, Inc.

1:30 - 3:00 ✓

Moderator: Keith Connor, Burns & McDonnell Engineering Co.

1. Case Study - Bringing Together Multiple End Users to Develop a Unique Landfill Gas to Energy Project

This case study will primarily focus on Fred Weber's recent upgrade of the landfill gas collection system and installation of a Central Landfill Gas Processing Station which accomplishes collection, flaring, compression, dehydration, filtration, and distribution of the LFG. As an early proponent of beneficial LFG use, Fred Weber had been, since 1986, delivering LFG to beneficial uses from the Maryland Heights Landfill, the most notable being the partnership in 1997 with nearby Pattonville High School for boiler fuel. However, with independent collection

systems, no moisture removal, and no automatic control of collection rate from the landfill, operations had been problematic and it was becoming difficult to incorporate planned expansions. In operation since summer of 2007, the new centralized system allows Fred Weber to collect all LFG production to a single location where LFG flow is maintained at a constant rate regardless of demand by the various end users. A very unique feature of the overall system is that the pipelines to the five end uses all begin at the Central Landfill Gas Processing Station and branch away in “wagon wheel” or “spider-web” fashion. The end users do not coordinate their demand in any way and the LFG supply is always available from the Central Plant. In fact, pipeline demand fluctuates very widely since the asphalt plant, which consumes the largest share of the pipeline demand, is a batch process. In addition, the very important demand of the landfill to have consistent LFG collection is maintained by the continuously variable use of two 90 mmBtu/hr enclosed flares. Also incorporated into the design of the system is future delivery to an electrical energy production facility that is being considered. This delivery will also be in coordination with all the existing users. This presentation will highlight several problems and successful solutions that are typically encountered in the design and commissioning of landfill gas to energy projects: 1. Coordinating the needs of the landfill collection requirements with the needs of the energy user(s) so that both parties attain their goals; 2. Control design to allow for staging of blowers, compressors, and flares to meet wide demands in flow rates; 3. Monitoring Software to allow for remote operator interface and data storage; 4. Integration of multiple end users into one supply system; and 5. Lessons learned from start up and initial operation

Presenter: Brad Alexander, Perennial Energy

2. Wireless Data Acquisition of Leachate and Groundwater Recovery Systems

Barker Lemar has developed a cost effective wireless battery operated telemetry device to measure fluid levels and flows for leachate and groundwater recovery systems. Barker Lemar Engineering Consultants is currently exploring extending these systems to LFG systems and composting projects. The presentation will discuss the parameters of the system and present a case study of its implementation.

*Presenters: Tracy Lemar, P.E., Barker Lemar Engineering Consultants
Scott Fowler, Fred Weber, Inc.*

3:30 - 5:00 ✓

Moderator: Richard Wieman, City of Columbia

1. Geotextile Tubes for Dewatering Applications

This presentation is an overview of the use of high strength geotextile tubes for dewatering applications in lieu of belt presses and centrifuges. The presentation will discuss how passive dewatering systems are cost effective and present an eco-friendly option to the engineering community. The presentation will include an overview of the largest use of geotextile tubes in North America for dewatering contaminated sediments.

Presenter: Michael Groh, Geo-Synthetics, Inc.

2. Alternative Landfill Cover in Missouri

This presentation will share the importance, benefits, cost savings, and options available when using and considering Alternative Daily Covers in Missouri.

Presenter: Adam Lynch, Central Fiber Corporation

✓ *qualifies for DNR Solid Waste Technician Recertification*

SOLID WASTE TRACT

Tuesday, June 23

9:00 - 10:30 ✓

Moderator: Jerry Prewett, MDNR Division of Geology and Land Survey

1. Landfill Gas Migration in Missouri - Where Do We Go from Here?

This open panel discussion will provide an overview of landfill gas migration issues in the state of Missouri. Each panel member will present a 5 to 10 minute summary on the issue. Some of the points covered during the presentations will include the following. The intent of the panel will be to guide discussions and encourage audience participation.

- MDNR's draft guidance document; connections between landfill gas migration and groundwater impacts; and ideal landfill gas mitigation scenarios
- Active management of gas systems to reduce migration; options for evaluation of landfill gas migration pathways and mitigation efforts
- How to deal with older landfills that may have landfill gas migration issues; balancing gas mitigation issues with other environmental concerns and limited funds; obtaining access to off-site properties and asking MDNR for assistance with neighbors
- Addressing the financing issues of an un-planned active mitigation system and things to keep in mind for the future potential carbon credit market

*Presenters: Anastasia Welch, Aquaterra Environmental Solutions, Inc
Jessica Merrigan, Lathrop & Gage, LLP
Charlene Fitch, P.E., MDNR Solid Waste Management Program
Danielle Forget Shield, P.E., SCC Americas*

10:45 - 12:00 ✓

Moderator: Brandy Kean, Burns & McDonnell Engineering Co.

1. Communicating Your Master Plan Beyond the Page

Developing a viable strategic integrated solid waste management plan (Plan) is one thing, effectively communicating its objectives is another. This presentation will focus on methods to encourage planning involvement as well as how the Plan can be effectively communicated to city officials, solid waste board members, staff, media outlets, educators, and the general public through use of video. This presentation will use the City of Columbia's Master Visioning Plan as a case study.

Presenter: Jeff Phillips, Barker Lemar Engineering Consultants

2. Mid-America Regional Council

Presenter: Lisa Danbury, Mid-America Regional Council

Recertification as a "Certified Solid Waste Technician"

For each session in the tracts specially marked (✓), attendance counts towards education requirements for recertification as a Missouri Certified Solid Waste Technician. Attendance sheets will be available at each qualifying session and must be signed. Each session will count for two hours of training. You must receive ten hours of training in order to receive recertification. Attending five sessions at the conference will complete this requirement.

1:30 - 3:00 ✓

Moderator: Darleen Groner, MDNR Hazardous Waste Program

1. Explosive Waste Incinerator Upgrade - A Case Study for the Lake City Army Ammunition Plant, Independence, MO

Alliant Techsystems Inc. (ATK) is the largest provider of ammunition to US armed forces, and allied nations around the world. ATK has recently completed a major upgrade of the Explosive Waste Incinerator (EWI) at the Lake City Army Ammunition Plant in Independence, Missouri. The EWI is designed to incinerate configured munitions (up to 50 Caliber Live Rounds), munition components (live primers), and bulk (raw) explosives. This presentation will cover the design, construction, operation, and emission testing results for this project. ATK leads the industry in solid rocket propulsion systems, strategic missiles, missile defense, lightweight space deployables, solar arrays and satellite thermal management systems. ATK is also the nation's leading supplier of ammunition to law enforcement agencies across the country.

Presenters: Chris Snider, Burns & McDonnell and John Swanson, Alliant Techsystems, Inc.

2. Changing the Face of Environmental Drilling

David Hunziker realized long ago that the key to his or any other successful drilling service company is to conduct safe and efficient operations, both for the benefit of his clientele and for his own personnel. With that in mind, David continually strives to note aspects of his drilling operations where both of those critical components can be improved. Putting the observations and ideas gained over his long professional career into action, David has developed and will elaborate on a truly unique line of innovative drilling support tools and products that eases many of the safety concerns and increases the planned efficiency of a drill crew on a job site.

Presenter: David Hunziker, Max's Enterprise Drilling

3:15 - 4:45 ✓

Moderator: Chris Snider, Burns & McDonnell Engineering Co.

1. The Future of Greenhouse Gas Regulations

Greenhouse Gases (GHG) and the link to global climate change is one of, if not the most significant environmental issues facing the United States. While there have been a number of state initiatives to regulate GHGs, to date the U.S. EPA has not regulated GHG emissions. However, the landscape is rapidly changing since January 2009 as substantive GHG regulations have been proposed. A GHG reporting rule was proposed in early 2009; concurrently Congress recently drafted legislation that would restrict GHG emissions under the Waxman-Markey "cap and trade program". These recent regulatory developments will be discussed.

Presenter: Jerry Bauer, P.E., Burns & McDonnell Engineering Co.

2. 2006-2008 Missouri Waste Composition Study Results

MO DNR contracted with the Midwest Assistance Program to conduct Phase II of the Waste Composition Study during 2008. Weeklong observances were completed at fifteen landfills and transfer stations throughout Missouri to determine the overall waste stream components. This information was then incorporated with the 2006-2007 MO MSW Composition study to give an update of the state's waste stream. Presentation will include the results and a comparison to the previous study completed a decade ago..

Presenter: Cynthia Mitchell, Midwest Assistance Program, Inc.

CLIMATE CHANGE TRACT

Monday, June 22

All these workshops will be located in Valencia

10:30-12:00

Moderator: Kristin Tipton, EIERA

1. Carbon Credits

Tatanka Resources uses the tools of carbon finance to drive projects and create solutions, which Michael Crist will discuss. They are committed to creating reliable, long lived carbon assets; utilizing world class science and best practices; producing the highest value projects; and providing solutions to managers, project owners/developers; and carbon buyers.

Presenter: Michael Crist, Tatanka Resources

2. What Does Green Mean to You: Perspectives on What Carbon Regulation, Green Initiatives and Sustainability Mean to the Heartland

A wide range of far-reaching environmental legislation, regulations and policies that are being discussed by the Obama administration and the current Congress. States are proceeding on their own to regulate carbon emissions from major sources. Kansas denied a permit to a coal-fired power plant because of carbon emissions. New markets have arisen for carbon credits and offsets. This will discuss these issues and offer suggestions to plan for the coming changes and even take advantage of them.

Presenter: James Price, Spencer, Fane, Britt & Browne, LLP

1:30 – 3:00

Moderator: Michael Sieczkowski, CHMM, JRW Bioremediation

Creating Carbon Credits through Voluntary Emission Reduction Projects

As companies confront Climate Change issues, one effective strategy consistently appears to be the reduction of carbon emissions. By monetizing the reductions in its carbon emissions, the company can generate carbon credits. This presentation will discuss how a company can generate carbon credits, participate in the carbon credit trading markets, and maximize the economic impact of this aspect of its Climate Change strategy.

Presenter: Stephen G. Jeffery, Thompson Coburn, LLP and Midwest Carbon Credit Enterprises, LLC

Greenhouse Gas Emission Inventory - How to Manage Costs (and Your Sanity)

Greenhouse gas regulations will directly or indirectly impact all businesses in the U.S. This presentation provides lessons learned from greenhouse gas emission inventory processes at small to medium sized industrial/commercial entities. Protocols used include The Climate Registry and the Carbon Disclosure Project. Additional benefits from the greenhouse gas emission inventory include identification of potential carbon credits and energy savings.

Presenter: Sandra Potter, The Forrester Group

3:30 – 5:00

1. The Path to Regional Sustainability

The presentation will address regional sustainability efforts in the St. Louis Metropolitan Region and Kansas City, including a number of key organizations involved in Missouri sustainability initiatives. Detailed information of regional initiatives will be provided, which will connect Missouri's major metropolitan areas.

Presenter: John Traeger, Gallop, Johnson & Neuman, L.C. and Sustainable St. Louis

2. Energy Efficiency Assistance and Energy Development at the University of Missouri

University of Missouri and University Extension have numerous programs to assist business, industry, residential and community clients with energy efficiency and developing renewable energy technologies. A panel from MU will report on energy savings achieved by interns from the Pollution Prevention and Industrial Assistance Center programs, some new energy technologies developed with research assistance and funding, and emerging programs in workforce training.

Presenter: Marie Steinwachs, University of Missouri Environmental Assistance Center

Tuesday, June 23

9:00 – 10:30 ✓

Moderator: Catherine Jones, MDNR Hazardous Waste Program

1. The Changing Climate of Landfill Gas Collection and Utilization Projects in Missouri and the United States

This presentation makes a comprehensive market sweep of the financial instruments for LFG collection and utilization projects. The focus is directed towards landfill owners, managers, and developers. Talking points include:

- Overview of carbon offsets, renewable energy credits, tax credits.
- Market players – developers, marketers, consultants, banks, exchanges, ETF's
- Multiple angles on how to develop a project that will be well positioned for long term success with a focus on risk analysis.

Presenter: Keith Connor, Burns & McDonnell Engineering Company, Inc.

2. Creating Carbon Offsets from Landfill Gas Projects

Landfills that are not required to collect and destroy their methane emissions can earn revenues from the sale of carbon credits if they install such systems. The Climate Action Reserve is a non-profit organization that sets the standards for carbon offset projects and provides a registry to track the credits that they generate. Joel will discuss how our standards are developed and how the Reserve operates, including the procedures for joining, submitting projects, and trading the offsets.

Presenter: Max DuBuisson, Climate Action Reserve

10:45 - 12:00

Moderator: Kristin Tipton, EIERA

E = mc² and the Future of Nuclear Energy

Nuclear energy's great advantage is its energy density. The energy releases from the nucleus of the atom are 2 million times the releases of chemical energy and 20 million time the density of energy that can be derived from solar or wind. Because of its low energy density, running the country on wind or solar would require almost unimaginable amounts of land - tens of thousands of square miles, portions of whole states. What makes nuclear most attractive is its low impact on the environment.

Presenter: William Tucker, Journalist

ENVIRONMENTAL UPDATE TRACT

Monday, June 22

All these workshops will be located in Seachase

10:30 AM - 12:00

Moderator: Ramona Huckstep, MDNR Hazardous Waste Program

Crystal City - Jobs Unwanted

A citizens organization was formed in September of 2007 to inform the public of information about the proposed facility and to fight for a clean and healthy environment for future generations.

Presenters: Jack Ginnever and Theresa Adams, Concerned Citizens for Crystal City.

1:30 - 3:00 ✓

Moderator: George Fletcher, MDNR Hazardous Waste Program

1. Occurrence and Fate of Pharmaceuticals in the Environment

This presentation will focus on understanding occurrence and fate of antibiotics in the environment.

Presenter: Dr. Sudarshan Kurwadkar, MDNR Hazardous Waste Program

2. Reducing the Spread of Veterinary Antibiotics in the Environment: What Tools Are Available?

The presence of veterinary antibiotics in the environment may have adverse effects on organisms and water quality. Two questions that must be addressed are (1) how can antibiotic concentrations in manure be reduced and (2) how do we reduce veterinary antibiotic transport to water resources? This presentation will focus on addressing these questions by delving into previous and ongoing research being conducted at the University of Missouri and elsewhere.

Presenter: Dr. Keith Goyne, University of Missouri-Columbia

3:30 - 5:00

Moderator: Anastasia Welch, Aquaterra Environmental Solutions, Inc.

1. Antidegradation Implementation

The Antidegradation concept, that high quality waters should be preserved unless a lowering of water quality is absolutely necessary, is a required component of Missouri's Water Protection Program. Although the concept is simple, it was difficult to build a consensus on how antidegradation ought to be implemented. After a rigorous stakeholder process, Missouri crafted a "Antidegradation Implementation Procedure" that outlines the steps applicants must take to justify new or expanded discharges. This session will provide an overview of these recently-developed procedures, particularly how they might apply to landfills. Learn the key concepts associated with Antidegradation, and hear an update about how this new program is unfolding.

Presenter: John Rustige, P.E., MDNR Water Protection Program

2. Resource Recovery Certification Program in Missouri

This presentation will include an overview of Missouri's Resource Recovery Program.

Presenter: Richard Hock, MDNR Hazardous Waste Program

Tuesday, June 23

9:00 - 10:30 ✓

Moderator: Dr. Sudarshan Kurwadkar, MDNR Hazardous Waste Program

E-Waste

The presentation will discuss how the R2 Practices are used in certification programs for electronic recyclers as well as cover new rules on electronics recovery currently being developed by the Missouri Department of Natural Resources.

*Presenters: Tim Warren, Rechargeable Battery Recycling Corporation
Steve Fishman, U.S. Environmental Protection Agency
Dennis Hansen, MDNR Hazardous Waste Program*

10:45 - 12:00

Moderator: Mike Dandurand, MDNR Hazardous Waste Program

1. Dye Trace Study in South Missouri

In the Spring of 2007 a resident of Howell County Missouri reported a well contaminated with waste water. The DNR's Division of Geology and Land Survey conducted a dye trace from a nearby dairy operation to determine if the facility was a source of contamination to the aquifer used as a drinking water supply in the region.

Presenter: Jerry Prewett, MDNR Division of Geology & Land Survey

2. Geohydrologic Evaluation Process for Wastewater Treatment

The presentation is an overview of the geohydrological evaluation process as related to new or existing liquid waste facilities, including; earthen lagoons, mechanical treatment plants, recirculating filter beds, and land application sites. The overview will discuss the geologic characteristics for determining stream classification and geologic collapse potential and how those determinations are used to help establish an overall geologic limitations rating for a site.

Presenter: Larry (Boot) Pierce, MDNR Division of Geology & Land Survey

ENVIRONMENTAL UPDATE TRACT

1:30 - 3:00

Moderator: Richard Hock, MDNR Hazardous Waste Program

DNR Emergency Response - Hazardous Waste Disposal/Special Projects

The presentation will include an overview of abandoned containers management in MO and summaries of recent efforts on mercury collection and school lab chemical disposals.

Presenters: Brian Allen, MDNR Environmental Services Program

3:15 - 5:00 ✓

Moderator: Darleen Groner, MDNR Hazardous Waste Program

Monitoring Well Installation Requirements/Rule Update and Panel Discussion

The presentation will be an update on the construction, permitting and fee structure rule requirements with regard to drilling monitoring wells in MO. The panel will be made up of DNR staff from different programs, consultant(s) and driller(s) that work in the industry. They will be putting the whole regulatory process in perspective for the audience.

*Presenters: Beth Marsala, MDNR Water Protection Program
Mark Russell, Aquaterra Environmental Solutions
Laura Luther, MDNR Hazardous Waste Program
Charlene S. Fitch, MDNR Solid Waste Management Program
Theresa Ferguson, Midwest Environmental Consultants*

BROWNFIELDS TRACT

Monday, June 22

All the Brownfield workshops will be located in Marbella B

8:30 - 10:00

Moderator: *Jim Belcher, Section Chief, Brownfields/Voluntary Cleanup Section, MDNR*

Overview and Understanding of Brownfields

You will learn what a Brownfield is, how to identify Brownfields in your community, what you should do about Brownfields, and issues to consider when reviewing whether a site is an eligible Brownfield site - for Grant Funding purposes.

Presenter: *Jim Gilstrap, Brownfields Outreach, MDNR*

10:30 - 12:00

Moderator: *Jim Belcher, Section Chief, Brownfields/Voluntary Cleanup Section, MDNR*

Assistance is Available for Brownfields

Learn about the many funding resources available to owners, developers, and communities that can help in the assessment and cleanup of Brownfield sites.

Presenters: *Alma Moreno Lahm, Brownfields Project Manager, U.S. Environmental Protection Agency*
Catherine Jones, Outreach Coordinator, Brownfields/Voluntary Cleanup Section, MDNR

1:30 - 3:00

Moderator: *Jim Gilstrap, Brownfields Outreach, MDNR*

Beyond Brownfield Cleanup

Hear from Community Partners about their experiences with the many aspects of identifying, assessing, cleaning up, and redeveloping Brownfield sites. Find out about partnerships, funding and other support, outcomes and accomplishments.

Presenters: *Steve Childers, City of Ozark*
Sara Gallagher, City of Boonville
Mona Hart, Village of Stella

3:30 - 5:00

Moderator: *Carey Bridges, Unit Chief, Brownfields Voluntary Cleanup Section, MDNR*

Short Cuts Are Not Always Shorter - Tips for Consultants

This session will provide tips for consultants that work with the Missouri Department of Natural Resources. Brownfields/Voluntary Cleanup Program. The discussion will include information about the application process, investigations, the risk assessment process, environmental covenants, report writing, and other tips for making the experience both expeditious and efficient.

Presenters: *Brownfields Voluntary Cleanup Section - Project Managers Jennifer Surber,*
Brian McCurren and Chris Cady

DNR TANKS TRACT

Tuesday, June 23

All these workshops will be located in Marbella B

9:00 am

Opening Comments - MRBCA Update

Presenter: Ken Koon, MDNR Hazardous Waste Program Tanks Section Chief

9:30 am

EPA Overview

Presenter: Stanley Walker, U.S. EPA Region and Branch Chief

10:45 am

The Climbing Hill Saga - A Public Water Supply Soap Opera

Presenter: Rochelle Cardinale, Iowa DNR, UST Section

MRBCA Issues

Presenter: Laura Luther, MDNR Hazardous Waste Program Tanks Remediation Chief

1:30 pm

Scenarios - Site Review

3:15 pm

Update on Recent SPCC Regulation Changes

Presenter: Bill Lindsey, Midwest Environmental Consultants

SPCC Rule Amendments and Their Impact on the Agricultural Sector

Presenter: Shawna M. Bligh, The Session Law Firm

The SPCC Requirements: Recent Changes, Current Status, and Anticipated Future Actions

Presenter: Alan Hancock, EPA Region 7 Air, RCRA, & Toxics Division Storage Tanks & Oil Pollution Branch