

Kansas Department of Health and Environment
Bureau of Environmental Remediation
1000 SW Jackson St Ste 410
Topeka KS 66612

264-27

2014

Kansas Environmental Conference

August 5 - 7

Wichita Marriott Hotel

Kansas Department of Health and Environment



2014 Kansas Environmental Conference Agenda-at-a-Glance

Tuesday, August 5				
9:00 – 12:00	Hazardous Waste Generator Workshop Beginner – Wichita Ballroom Salon II			
1:30 - 4:30	Hazardous Waste Generator Workshop Advanced – Wichita Ballroom Salon II			
10:00 – 2:00	Clean Air Act Advisory Group (CAAAG) Meeting – Wichita Ballroom Salon I			
9:00 – 3:30	Brownfields Workshop – Kansas Grand Ballroom Salons A-C			
12:00 – 5:00	Vendor Setup			
Wednesday, August 6				
7:30	Breakfast Buffet – Wichita Ballroom			
8:00 – 9:20	<i>Kansas Environment Update, John Mitchell, with Bureau Updates from Bureau Directors – Kansas Grand Ballroom</i>			
Time	KS Grand Ballroom Salons A-C	Corporate Hills Ballroom	Wichita Ballroom - Salon II	Wichita Ballroom Salon - I
9:30 – 10:30	Upcoming Air Regulations	New & Upcoming Wastewater Regulations	Hazardous Waste: Beyond the Basics	Clean Up Success Stories: Presumptive Remedies & the Cinderella & Stickle Dry Cleaning Sites in Manhattan
10:50 – 11:50	Will Kansas Air Permits Change Due to the Latest EPA Regulations and Requirements?	Implementing & Maintaining an Industrial Stormwater Permit Plan	Harnessing the Inherent Value in Garbage, Manure or Crop Residue	Electric Energy Production & Delivery Costs - Conventional vs Alternatives
12:00 – 1:00	P2 Awards Luncheon – Kansas Grand Ballroom			
Time	KS Grand Ballroom Salons A-C	Corporate Hills Ballroom	Wichita Ballroom - Salon II	Wichita Ballroom Salon - I
1:15 – 2:15	Preparing for & what to Expect During an Air Inspection, Plus the Top 10 Air Violations	Current Conditions and Trends of the High Plains Aquifer in Kansas	Preparing for a Waste Inspection	Overview of Renewable Energy Technologies and how they Apply to Kansas
2:30 – 3:30	Stack Testing	The Potential for Induced Seismicity in Kansas	Consultant Case Studies I: Cherryvale Remediation Project & In-Situ Chemical Oxidation	Wind & Solar Energy Panel Discussion
3:50 – 4:50	KS Air Permit & Reporting System (KAPRS)	Aquaponics	Consultant Case Studies II: Perchlorate Related Investigation, Response & Remedial Efforts & Lessons from a Chemical Waste Landfill	ISO 14001 & EMS: Basics & Benefits
5:00	Vendor Reception			
Thursday, August 7				
7:30	Breakfast Buffet - Wichita Ballroom			
Time	KS Grand Ballroom Salons A-C	Corporate Hills Ballroom	Wichita Ballroom - Salon II	Wichita Ballroom Salon - I
8:30 – 9:30	An Overview of Area & Major Source Boiler MACT Rules	Drought Status in Kansas and Drought Mitigation Activities Underway	MtBE Plume Remediation Through the Injection of Oxygen & Microbial Corrosion in USTs and Tank Replacement Alternatives	Adequacy of Waste Reduction Practices in Kansas
9:50 – 10:50	Ambient Air Quality in Kansas & Air Quality Challenges – Wichita MSA	Update on Vision for the Future of Water in Kansas	Kansas Medication Disposal Program Update	Food Recovery Challenge
11:00 – 11:45	From Fertilizer Plant to Lawrence Venture Park: Coupling Environmental Restoration with Economic Development Kansas Grand Ballroom			
12:00 – 1:00	Lunch/Conference Closing/Prize Drawing – Kansas Grand Ballroom			
1:30 – 2:30	Tour: John C. Pair Horticulture Center			

Conference Overview

The 2014 environmental conference, hosted by the Kansas Department of Health and Environment, Division of Environment, will provide updates on environmental issues, new technologies, regulatory information and pollution prevention.

Goal

The goal of the conference is to provide businesses, industries, community leaders, consultants, and the public with an understanding of new regulations, current trends in environmental quality, new technologies and advantages of pollution prevention.

Who Should Attend?

The conference has been developed by a planning committee comprised of environmental managers and consultants, industrial engineers, and university staff. Anyone interested in environmental regulations, pollution prevention, new technologies or the status of the environment in Kansas is invited to attend.

Registration

Deadline for registration is **July 21, 2014**. You can register online by going to <https://www.accesskansas.org/ssrv-kanpayxpr/services/BEFS/KEC11PRe46/additionalInformation.html> or you can complete the registration form and mail your check or money order (\$150 registration fee) payable to KDHE Training Fee Fund to Kansas Environmental Conference, KDHE Bureau of Environmental Remediation, 1000 SW Jackson, Suite 410, Topeka, Kansas 66612. *Limited late and onsite registration will be available for \$170 and will include admission to sessions, and meals if space allows.*

Professional Development Hours (PDHs)

A Certificate of Attendance will be provided to individuals who request one on the registration form. This certificate, along with a copy of the agenda marked with sessions attended, will assist individuals needing to document professional development hours for their technical profession. It is up to each individual to determine how many PDHs were earned at the conference. For more information on documenting PDHs, visit the Kansas State Board of Technical Professions' website at <http://www.ksbtp.ks.gov/>.

Exhibitors

If you are interested in exhibiting, contact KDHE BER at 785-296-6603 for a vendor registration form or go to <https://www.accesskansas.org/ssrv-kanpayxpr/services/BEFS/KEC11VRe95/additionalInformation.html> to register online. Cost is \$400 and includes booth space and two paid conference registrations.

Location and Accommodations

The conference will be held at the Wichita Marriott Hotel, 9100 Corporate Hills Dr, Wichita, KS, 67207. Sleeping rooms have been blocked at a conference rate of \$109.00 per night. Reservations can be made online at [KDHE Conference Rate](#). Or, you may call the hotel directly at (800) 228-9290 and mention you are part of the **Kansas Environmental Conference**.

The deadline for booking a room at the conference rate is July 21, 2014.

■ ■ ■ **TUESDAY, AUGUST 5** ■ ■ ■

8:30 – 5:00 Registration

12:00 – 5:00 Vendors Set Up

9:00 – 4:30 Hazardous Waste Generator Workshops

Room: Wichita Ballroom Salon II

Be the first to attend the 2014 Hazardous Waste Generator Workshops. The morning session (9:00 – 12:00) will be a general overview of the basic hazardous waste generator requirements. The afternoon session (1:30 – 4:30) will cover more advanced topics in hazardous waste. There is no cost to attend the workshops. Lunch is on your own.

Rebecca Wenner, KDHE BWM

10:00 – 2:00 Clean Air Act Advisory (CAAAG) Group

Room: Wichita Ballroom Salon I

Bureau of Air gives stakeholders the chance to provide input into the policies and procedures of the air program through meetings of the KS CAAAG. There is a \$38.00 fee to attend the CAAAG meeting. Lunch will be provided. Space is limited to 100.

9:00 – 3:30 Brownfields Workshop

Room: Kansas Grand Ballroom Salons A-C

Learn about Brownfields properties and how to fund successful redevelopments through different available resources. Reuse and redevelopment of abandoned, idled, or underutilized properties is both a challenge and an opportunity. The workshop is free to attend and lunch will be provided!

KDHE Brownfields Program & Technical Assistance to Brownfields (TAB) Program at K-State

7:30 – 8:00 Registration / Continental Breakfast
Breakfast will be in the Kansas Grand Ballroom, with overflow seating in the Topeka and Sedgwick Rooms.

8:00– 9:20 Welcome

Room: Kansas Grand Ballroom

State of the Kansas Environment, John Mitchell
KDHE Bureau Updates: *BOA-Rick Brunetti, BOW-Mike Tate, BWM-Bill Bider, BER-Leo Henning*

9:30 – 10:30 Concurrent Sessions

Room: Kansas Grand Ballroom Salons A-C

Upcoming Air Regulations

In the past few years, federal, and therefore state, air regulations are covering new emission sources and several new pollutants. In order for the States to become authorized by EPA to implement these federal rules, they are incorporated into state regulations by the Kansas Department of Health and Environment. We'll explore how this authorization process works and discuss state and federal regulations that are on the way.

Miles Stotts, KDHE BOA

Room: Corporate Hills Ballroom

New and Upcoming Wastewater Regulations

An update of new regulations since the last conference and what is on the horizon.

Don Carlson, KDHE BOW

Room: Wichita Ballroom – Salon II

Hazardous Waste: Beyond the Basics

Come and test your knowledge of RCRA updates, hazardous waste FAQs, and commonly overlooked or misunderstood requirements.

Barb Goode & Ryan Hamel, KSU PPI
Rebecca Wenner, KDHE BWM

Room: Wichita Ballroom – Salon I

Clean Up Success Stories:

Presumptive Remedies – A Case Study

Funding constraints, community concerns, and unexpected contamination guided remedial action at the former Eagle Picher Smelter in Galena.

Maura O'Halloran, KDHE BER

Cinderella & Stickel Dry Cleaning Sites in Manhattan

Enhanced Anaerobic Biodegradation of Chlorinated Solvent Contamination Using CAP-18™ Vegetable Oil Substrate. Dry Cleaning Facility Release Trust Fund Remediation at the Cinderella and Stickel Dry Cleaning Sites, Manhattan, Kansas.

Joe Dom, KDHE BER

10:30 – 10:50 Break w/ refreshments in Atrium

10:50 – 11:50 Concurrent Sessions

Room: Kansas Grand Ballroom Salons A-C

Will Kansas Air Permits Change Due to the Latest EPA Regulations and Requirements?

Discussion will include new requirements in air permits based on the recently issued Oil and Gas regulations; the Best Available Control Technology (BACT) for CO₂e required in PSD permits as a result of the Tailoring Rule; and possible air permit requirements on the horizon for power plants to reduce carbon pollution, based on the proposed standards (Sections 111(b) and 111(d)).

Marian Massoth, KDHE BOA

Room: Corporate Hills Ballroom

Implementing and Maintaining an Industrial Stormwater Permit Plan

The presentation will cover typical information and activities needed by a facility with an industrial stormwater permit. This includes the required Stormwater Pollution Prevention (SWP2) Plan, inspections, comprehensive site evaluations, site plans/mapping, record keeping and annual certifications.

Eric Staab, KDHE BOW

Room: Wichita Ballroom - Salon II

Harnessing the Inherent Value in Garbage, Manure or Crop Residue - Great Projects for Great Teams in the Right Place - Kansas

Waste streams (solid and liquid) that are rich in organic content can be a very valuable resource; or they can be an expensive waste stream to manage. There are multiple companies presently making very large investments in Kansas to build facilities including ethanol plants, various digesters, and landfill gas recovery and processing facilities. There is great potential in Kansas to develop many more projects but that takes the right team. Generators, Transporters, Processors, and Marketers who see Environmental Attributes and diligently capture it in successful projects.

Sam Sunderraj, KDHE BWM – with introduction from Bill Bider, Director of the Bureau of Waste Management

Room: Wichita Ballroom - Salon I

Electric Energy Production and Delivery Costs – Conventional vs Alternatives

This presentation will delve into the costs of electric generation from conventional fossil fueled units to newer alternative energy sources. The costs will be investigated from existing units and compared to projected costs of new construction. A review of the costs of power delivery from conventional vs alternative sources will be included.

Don Ford, Westar

12:00 – 1:00 P2 Awards Luncheon

Room: Kansas Grand Ballroom

If you have special dietary needs, please indicate this on your registration form.

1:15 – 2:15 Concurrent Sessions

Room: Kansas Grand Ballroom Salons A-C

Top 10 Air Violations: Discussion on familiarity with facility applicable regulations, air permits, permit conditions, and permit limitations to help facilities circumvent violations. *Cheryl Evans, KDHE BOA*

Preparing to Conduct an Air Compliance Inspection:

Outlining the details in what is involved in preparing and conducting an inspection. *David Butler, KDHE BOA*

What to Expect during an Air Inspection: Outlining what KDHE looks for during inspections. *Dan Wilkus, Westar Energy*

Room: Corporate Hills Ballroom

Current Conditions and Trends of the High Plains Aquifer in Kansas

The High Plains Aquifer is one of the largest, most accessible aquifer systems in the world with a significant presence in Kansas. This session will look at water resources and use patterns across the entire state with particular emphasis on the High Plains aquifer and its subsystems- the Ogallala, Great Bend Prairie, and Equus Beds.

Brownie Wilson, Kansas Geological Survey

Room: Wichita Ballroom - Salon II

Preparing for a Waste Inspection

An overview of how a RCRA Hazardous Waste inspection works. A waste inspector and enforcement staff will give helpful tips on how to prepare to make your next inspection an opportunity to show off your facility and excellent record keeping skills.

Rebecca Wenner & Deborah Travis, KDHE BWM

Room: Wichita Ballroom - Salon I

Overview of Renewable Energy Technologies and How They Apply to Kansas

The economic impacts of renewable energy in Kansas as well as how state and federal energy policy can positively and negatively impact our energy mix.

Dorothy Barnett, Climate and Energy Project

2:30 – 3:30 Concurrent Sessions

Room: Kansas Grand Ballroom Salons A-C

Stack Testing

Overview of stack testing / performance testing issues pertaining to demonstrating compliance with emission limits set within KDHE air permits and applicable air quality control regulations.

Javier Ahumada, KDHE BOA

Room: Corporate Hills Ballroom

The Potential for Induced Seismicity in Kansas

Historic and recent earthquake activity in Kansas, potential links between seismicity and human activities, and the scientific and regulatory response to this issue.

Rex Buchanan, Kansas Geological Survey

Room: Wichita Ballroom - Salon II

Consultant Case Studies I

Cherryvale Remediation Project

Holly Burke, KDHE BER

In-Situ Chemical Oxidation of PCE-Impacted Groundwater within the Equus Beds Aquifer Using Various Delivery Methods

John Hesemann & Ben Clement, Burns & McDonnell

Room: Wichita Ballroom - Salon I

Wind and Solar Energy Panel Discussion

This panel discussion is about wind and solar (renewal) energy sources.

Ian Spomer, Cromwell Solar

Ed Clampitt, Siemens Wind

Don Ford, Westar

3:30 – 3:50 Break with refreshments in Atrium

3:50 – 4:50 Concurrent Sessions

Room: Kansas Grand Ballroom Salons A-C

Kansas Air Permit & Reporting System (KAPRS)

The Kansas Air Permitting and Reporting System (KAPRS) is designed as a web-based application and reporting submittal system for the BOA. The goal of KAPRS is to improve the permitting and reporting process by providing automated data-collection forms, online fee-payment, access to permit status, and electronic submission of forms.

Ashley Eichman & Will Stone, KDHE BOA

Room: Corporate Hills Ballroom

Aquaponics

Aquaponics is an environmentally friendly, self-sustainable food source being used to educate third world countries on how to provide for themselves. Many communities and individuals are establishing these types of systems in the US in an effort to become "GREEN" and sustainable.

Chris Mammoliti, Trash Mountain Project

Room: Wichita Ballroom - Salon II

Consultant Case Studies II

Perchlorate Related Investigation, Response and Remedial Efforts

Christopher Busch, P.G., Blackstone Environmental

Lessons from an Old Chemical Waste Landfill;

Source Removal and Groundwater Treatment

Paul Clark, P.G., Allied Environmental Consultants, Inc.

Room: Wichita Ballroom - Salon I

ISO 14001 and EMS: Basics and Benefits

Basics of an Environmental Management System, how to get started and are there benefits to the implementation of a management system.

Wendy Burkart, Terracon

5:00 Vendor Reception in vendor area and Atrium

Enjoy hors d'oeuvres and refreshments while visiting with our vendors in a relaxed atmosphere.

7:30 – 8:30 Breakfast Buffet – Wichita Ballroom

8:30 - 9:30 Concurrent Sessions

Room: Kansas Grand Ballroom Salons A-C

An Overview of Area and Major Source Boiler MACT Rules – Permitting, Testing, and Reporting

In addition to a brief overview of source boiler MACT rules we will cover commonly encountered permitting issues, how and when to test, what and when to report, and which records to maintain. Also covered will be a brief discussion of the RICE MACT rule, addressing ongoing compliance with the regulations.

Jessica Pelky, Javier Ahumada, & Tim Evans, KDHE BOA

Room: Corporate Hills Ballroom

Drought Status in Kansas and Drought Mitigation Activities Underway

The Kansas Water Office will provide the latest drought status in Kansas and deliver an update on drought mitigation activities underway.

Diane Knowles, Kansas Water Office

Room: Wichita Ballroom - Salon II

MtBE Plume Remediation Through the Injection of Oxygen

In 2008, KDHE approved injecting pure oxygen gas into groundwater contaminated by a petroleum release. This talk will describe the use of oxygen injection to form a bioremediation curtain to degrade MtBE and reduce the MtBE concentration impacting two public water supply wells.

Bret Tavener, KDHE BER

Microbial Corrosion in USTs and Tank Replacement Alternatives

The effects of Microbial Corrosion inside of Steel and FRP USTs as well as detailed information tank lining, secondary containment retrofits and other Tank Replacement Alternatives.

Jonathan McNeely, Tank Tech

Room: Wichita Ballroom - Salon I

Adequacy of Waste Reduction Practices in Kansas

The adequacy of recycling and other waste reduction practices in Kansas will be examined from the perspective of the state, local governments, and private businesses. Some examples of public and private recycling programs will be described.

William Bider, KDHE BWM

*John Hawk, McPherson Area Solid Waste Utility
Delores Walton, Deffenbaugh Industries*

9:30 – 9:50 Break with refreshments in Atrium

9:50 – 10:50 Concurrent Sessions

Room: Kansas Grand Ballroom Salons A-C

Ambient Air Quality in Kansas

A look at ambient air quality in the State of Kansas and the statewide network that monitors it.

Douglas Watson, KDHE BOA

Air Quality Challenges – Wichita MSA

Historical data and current and planned initiatives through the Ozone Advance Program.

Tonya Bronleewe & Randy Owen, City of Wichita

Room: Corporate Hills Ballroom

Update on Vision for the Future of Water in Kansas

In response to Governor Brownback's call for action to develop a 50 Year Vision, the Kansas Water Office and Department of Agriculture have led an effort, along with the Kansas Water Authority and Departments of Health and Environment and Wildlife, Parks and Tourism to gather input and develop the first draft of the Vision document.

Tracy Streeter, Kansas Water Office

Room: Wichita Ballroom - Salon II

Kansas Medication Disposal Program Update

This presentation will discuss the current Kansas Medication Disposal Program and the potential impacts of regulation changes.

Jessica Willard, KDHE BWM

Room: Wichita Ballroom - Salon I

Food Recovery Challenge

According to the EPA, more food reaches landfills and incinerators than any other single material in municipal solid waste. Communities and businesses are taking steps to reduce food waste at the source. Join us for this session to learn about the "Food Recovery Challenge" and hear what one grocery store chain is doing to reduce food waste going to the landfill.

*Misty Cavanaugh & Bintou Bayo, Dillons Food Stores
Ken Powell, KDHE BWM*

11:00 – 11:45 Closing Plenary

Room: Kansas Grand Ballroom

From Fertilizer Plant to Lawrence Venture Park: Coupling Environmental Restoration with Economic Development

This presentation will discuss the unique operational history and resulting environmental issues at the former Farmland Industries Fertilizer Plant in Lawrence. After the responsible party filed for bankruptcy protection, KDHE partnered with the City of Lawrence to address human health and ecological risks posed by environmental contamination while maximizing the redevelopment potential of this prime property located along K-10 in east Lawrence.

*Matt Bond, P.E., City of Lawrence
Chris Carey, P.G., KDHE BER*

12:00 – 1:00 Lunch/Prize Drawings

Room: Kansas Grand Ballroom

If you have special dietary needs, please indicate this on your registration form.

John C. Pair Horticulture Center Tour: Join us after the conference on Thursday, August 7 for a tour of the John C. Pair Horticulture Center to view current research projects in ornamentals and vegetables. Tour begins at 1:30 p.m. lasting approximately 1 hour. Participants will drive themselves and maps will be available at the registration table.



The Kansas Environmental Conference is offering online registration through KanPay Express (a service of Kansas.gov). To register online, go to <https://www.accesskansas.org/ssrv-kanpayxpr/services/BEFS/KEC11PRe46/additionalInformation.html>. Payment methods accepted include: MasterCard, Visa, Discover, American Express, and Electronic Checks.

The registration fee for the conference is **\$150**. Online registration will close July 21. After July 21, you must register on-site for \$170 (checks only – no credit cards accepted on-site).

Kansas Environmental Conference

August 5-7, 2014

Registration Form

Name: _____

Organization: _____

Address: _____

City: _____ State: _____ Zip: _____

Telephone: _____ Fax: _____ E-Mail: (registrations will be confirmed by e-mail) _____

Please indicate the type of organization you represent:

- small business (≤100 employees)
 large business (>100 employees)
 state or federal government
 consultant
 county/municipality
 other _____

Please indicate the events you plan on attending:

- Tuesday, August 5, Beginner Hazardous Waste Generator Workshop (9:00-12:00)
 Tuesday, August 5, Advanced Hazardous Waste Generator Workshop (1:30-4:30)
 Tuesday, August 5, CAAAG Meeting (10:00 – 2:00) (\$38 fee) Limited to 100.
 Tuesday, August 5, Brownfields Workshop (9:00 – 3:30)
- Wednesday, August 6 Breakfast Buffet
 check here to request vegetarian meals
 Wednesday, August 6 Conference
 check here to request gluten-free meals
 Wednesday, August 6 P2 Awards Luncheon
 Wednesday, August 6 Reception
 check here if you have a special dietary request (KHDE will work with the hotel to try to meet your need.) Describe: _____
 Thursday, August 7 Breakfast Buffet
 check here to request a Certificate of Attendance
 Thursday, August 7 Conference
 Thursday, August 7 Lunch
 Thursday, August 7 Tour

Please indicate if you have any special needs: _____

Mail this registration form along with payment of \$150 (plus \$38 if attending CAAAG Meeting) to:

Kansas Environmental Conference
 KDHE Bureau of Environmental Remediation
 1000 SW Jackson, Suite 410
 Topeka, KS 66612

Cancellation Policy: Registrations may be cancelled until July 21 upon receipt of written request. The conference fee will be refunded, less a \$10 handling fee. No refunds will be made after July 21; however, substitutions are permitted.

Make check or money order payable to:
 KDHE Training Fee Fund

Questions: Call KDHE BER at (785) 296-6603.