



2013
WORKS!

Safety in the Work Place

March 26-27, 2013
Manhattan, KS



Kansas Department of Health and Environment
Bureau of Waste Management

2013
WORKS!



Kansas Department of Health and Environment - Bureau of Waste Management
1000 SW Jackson, Suite 320 Topeka, KS 66612-1366
785-296-1600 1-800-282-9790

Mission: To promote responsible choices to protect the health and environment for all Kansans.



Apple logos courtesy of Manhattan Convention & Visitors Bureau, Manhattan, KS



printed on recycled paper

Welcome to WORKS! 2013



On behalf of all of us at KDHE, it is a privilege to welcome you to WORKS 2013, our 19th annual gathering of solid waste professionals to teach and talk to each other about ways to improve waste management in Kansas. As always, we have an exciting agenda designed to help our recyclers, composters, and HHW facility operators more effectively perform their duties. This year, we are focusing upon workplace safety to ensure that we never lose sight of the fact that our employees are our greatest resource and their well-being must remain our number one priority.

We are excited about being in Manhattan, “The Little Apple,” and as you see throughout this conference booklet and in the exhibit hall, we are emphasizing “apples” in various ways. We are also pleased to be holding the conference in the fairly new Hilton Garden Inn, a conveniently located hotel that is able to meet all of our needs.

As always, we have many good presenters including our two General Session keynote speakers on Tuesday morning, Mike Strickland (Sherwin Williams), who has been recognized by Occupational, Health & Safety Magazine as their National Safety Professional of the Year while working at Collins Bus Corporation in South Hutchinson and football Coach Bill Snyder of the Kansas State Wildcats. We are honored that Coach Snyder would join our conference to help encourage us in the same ways he has encouraged his football teams bringing great success to the KSU football program. I want to thank everyone who will be presenting and exhibiting because it is your contributions to the conference that make it valuable to those who attend.

This year for the first time, we reduced the conference agenda from the traditional two and one-half days to about one and three-quarters days. The reasons for this change include the need to reduce attendee expenses and time away from work, and also because there are a growing number of waste management meetings throughout the year in Kansas including those sponsored by KOR, SWANA, and the Kansas Landfill Association. Please let us know what you think about this new format. If you would be willing, I would appreciate hearing from you by e-mail to express your overall conference ideas and this particular change, as well as what you would like to see in the future.

Thanks for taking the time to support WORKS and for your daily effort to improve the Kansas environment by being part of our statewide waste management network.

A handwritten signature in black ink that reads "Bill".

Bill Bider
Director
Bureau of Waste Management



2013
WORKS!

Exhibitors

Assest LifeCycle

Beverly Drew
Topeka, KS

Barton County Community College

Lindsay Holmes
Junction City, KS

Bayne Premium Lift Systems

Bob Zelinka
Greenville, SC

Big Timber Inc

Jerry Walker
Corning, IA

Blackstone Environmental Inc

Michael Kukuk
Overland Park, KS

Burns & McDonnell Engineering Company Inc

Laura White
Kansas City, MO

Chamness Technologies Inc

Doug MacCrey
Blairsburg, IA

Champlin Tire Recycling

Brian Lamer
Concordia, KS

Heritage Recycling

John Czerneski
Kansas City, MO



KDHE/Bureau of Waste Management

Karen Lollman
Topeka, KS

Kansas Organization of Recyclers

Spencer Duncan
Topeka, KS

Midwest Laboratories

Brent Pohlman
Omaha, NE

Ripple Glass

Donna Utter
Kansas City, MO

ShoreLand'r

Bob Hemphill
Ida Grove, IA

Terracon

Mark Schroeder
Wichita, KS

Toter

Ken Madsen
Overland Park, KS

UNICOR-Electronics Recycling

Tim Moore
Leavenworth, KS

Veolia Environmental Services

Chris Spaw
Sauget, IL

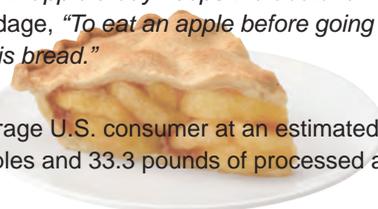


“An apple a day . . .”

The old saying “An apple a day keeps the doctor away” comes from an old English adage, “To eat an apple before going to bed will make the doctor beg his bread.”

In 2008, the average U.S. consumer ate an estimated 16.4 pounds of fresh-market apples and 33.3 pounds of processed apples for a total of 49.8 pounds.

Apple juice was one of the earliest prescribed antidepressants



2013
WORKS!

Keynote - General Session Tuesday 8:30 am



BILL SNYDER - The architect of the "greatest turnaround in the history of college football", Bill Snyder returned to lead the Kansas State football program in 2009 after 17 ultra-successful seasons as the head coach from 1989-2005. Individually, Snyder produced 45 different All-Americans during this 17 years as head coach, including nine consensus first-team All-Americans.

He began his full-time coaching career in 1967 as an assistant at Indigo High School in California, where he became head coach in 1967. He was head coach at Santa Ana Foothill High School from 1969-1973. In 1974, Snyder was offensive coordinator on the football staff and swimming coach at Austin College in Sherman, TX. In 1976, he joined the Univ. of North Texas and the Univ. of Northern Iowa in 1979.

Snyder received his B.A. from William Jewell in 1963. He earned his M.A. from Eastern New Mexico in 1965. As a player, he was a three-year letterwinner as a defensive back at William Jewell.



MIKE STRICKLAND - Mike is the Environmental, Health and Safety Manager at the Sherwin-Williams paint manufacturing facility in Andover, Kansas. He has 23 years experience in safety, industrial hygiene and environmental compliance in a variety of industries.

In 2010, Strickland was recognized by J.J. Keller Online and Occupational, Health & Safety Magazine as their National Safety Professional of the Year for his efforts to significantly reduce injuries while at Collins Bus Corporation in South Hutchinson, Kansas. In 2011, under his leadership, Collins Bus was recognized by Waste & Recycling News as their inaugural winner of the Green Corporate Citizen Award for their efforts to significantly reduce solid waste.

Mr. Strickland received a bachelor of science degree in biology from Oral Roberts University. He also holds a master of science degree in healthcare administration from Central Michigan University and a master of science degree in environmental studies from Friends University.

Plenary Session Wednesday 8:30 am



TIMOTHY BOSWELL - Tim obtained his CUSA - Certified Utility Safety Administrator endorsement in 1998, and a B.S. in Safety Engineering in 2002. He currently holds a Field Safety Coordinator position with Westar Energy's Safety & Training Department in Topeka Kansas. Tim has worked for Westar Energy the past 32 years, and 20 of those years have been in Safety Department providing safety support for several business units including Power Generation, Distribution Power Delivery, and Public Affairs & Consumer Services. Tim's professional affiliations have been with the American Society of Safety Engineers, National Safety Council, Industrial Protection Systems, National Fire Protection Association, and the Kansas Emergency Medical Services Association.

"The Little Apple"



On April 27, 1855, the Cincinnati and Kansas Land Company left Cincinnati, Ohio, on the steamboat Hartford, bound for central Kansas. The plan was to head west via the Ohio, Mississippi, Missouri and Kansas rivers and found a community in Kansas Territory.

New York investors in the land company had insisted on the name, Manhattan, for the new town. Sandbars grounded the Hartford near present-day Manhattan site where a new town of Boston was being established. The Bostonians liked the new arrivals, convinced them to stay and re-named the town Manhattan.

With Manhattan, New York, known as "The Big Apple," it was natural for Manhattan, Kansas, to become known as "The Little Apple®." Manhattan, Kansas was first called The Little Apple® as early as 1977.

--- <http://www.universityparent.com/2011/05/08/history-of-manhattan>

2013
WORKS!

March 26-27, 2013

Hilton Garden Inn Manhattan

Manhattan, Kansas

Tuesday, March 26, 2013 (Exhibit Hall and Registration Area open all day)

7:30 - 8:15 - Registration & Breakfast

8:30 - General Session

Welcome - **Loren Pepperd, Mayor, Manhattan**

Keynote Presentation -

Bill Snyder, Head Coach, Kansas State University Football
Mike Strickland, Environmental, Health and Safety Manager,
Sherwin-Williams, Andover, Kansas

State Solid Waste News and Hall of Fame Award - **Bill Bider**,
Director, Bureau of Waste Management

11:30 - Lunch

1:00 - 2:00 - Sessions

Waste Reduction & Local Assistance - **Program Updates**

Kristine Hicks, Karen Lollman, Megan MacPherson,
Bureau of Waste Management
Bob Medina, Tim Wilson, KDHE/

Beneficial Use/Energy from Waste - **Anaerobic Digestion Feedstocks -**

Steve McNinch, Western Plains Energy LLC,
John George, P.E., President and Chief
Engineer, Agricultural Engineering Assoc.,
Shane Chrapko, Himark bioGas

HHW - **Household Radioactive Materials -**

Isabelle Busenitz, KDHE/Bureau of Environ-
mental Health
- Program Updates -
Jessica Willard, KDHE/Bureau of Waste
Management

Composting - **Wood Waste Management -**

Jeff Vogel, Manager, Plant Protection and Weed
Control Program, Kansas Department of Agriculture
Jeff Ralls, Owner, Evergreen Recycle LLC

2:00 - 3:00 - Sessions

Waste Reduction & Local Assistance - **Hazards of Recycling and Composting Centers -**

Julia Young, Safety Officer, KDHE Division of Environment
Allen Vinyard, Safety Consultant, Kansas Department of Labor

Beneficial Use/Energy from Waste - **Using Flue Gas Desulfurization (FGD) -**

Ron Chamberlain, Managing Director, Gypsoil, LLC
Bob Spoerri, CEO, Beneficial Reuse Management/Gypsoil, LLC

HHW - **Chemical Cocktails: Safe Work Practices for Chemical Management (part 1 of 2) -**

Lindsay Holmes, Barton County Community College

Composting - **Moisture Management, Industrial Materials for Composting -**

Mike Tabor, Director, Seward County Regional Landfill
John Harsch, Kansas Trophy Outfitters

3:30 - 4:30 - Sessions

Waste Reduction & Local Assistance - **Commodity Markets Updates/Roundtable Discussion -**

Marty Kowalski, Sonoco Recycling
Donna Utter, Director of Business
Development, Ripple Glass
Dave Keeling, Gen. Mgr. Western United
States, Steel Recycling Institute
Tim Moore, Unicolor Recycling

Beneficial Use/Energy from Waste - **Beneficial Use Determinations -**

Joe Cronin, P.E., KDHE/Bureau of Waste Management
Shelley Schupp, P.E., KDHE/Bureau of Waste Management

HHW - **Chemical Cocktails: Safe Work Practices for Chemical Management (part 2 of 2) -**

Lindsay Holmes, Barton County Community College

Composting - **Food Waste, In-vessel -**

DeAnn Presley, K-State
Michael Rea, Sustainability Project Manager, Johnson County
Community College
Eric Nelson, Compost Technician/Student, Johnson County
Community College

Bus Tours

Wednesday, March 27
1:00 - 3:30

- Riley County HHW
- KSU Composting
- KSU Recycling

Busses leave from
in front of Convention Center
at 1:00 pm



Kansas Department
of Health & Environment
Bureau of Waste Management

March 26-27, 2013
Hilton Garden Inn Manhattan
Manhattan, Kansas

2013
WORKS!

Wednesday, March 27, 2013

7:30 - Registration & Breakfast

8:30 - Plenary Session

Workers "Beware" - Safety Around High Voltage Power Lines

Tim Boswell, Field Safety Coordinator,
Westar Energy Safety & Training
Department

See the Westar Energy's Electrical Hot
Demonstration Trailer at 10:30

9:30 - 9:45

Tour sites briefing

9:45 - 10:30

Break & Check Out

10:30

Hazards of Electricity . . . Up Close and Personal - Westar Energy's Electrical Hot Demonstration Trailer will reveal the Hazards of Electricity . . . Up Close and Personal by showing the effects of High Voltage Electricity on a variety of different conductive materials. Many of these products are commonly mistaken as nonconductive and have been used to touch, move, or isolate high or low voltage electrical lines. demonstrations will include an ARC of primary voltage-to-ground, the flow of electricity through trees, rope/string, party balloons, ladders, wood handled garden tools, tires, and the effects of electricity as it travels through the human body!

ALTERNATIVE - Roundtable session for HHW, Composting, and Beneficial Use/Energy from Waste

11:30 - 12:30 - Lunch

1:00 - 3:30 Tours

- Riley County HHW
- KSU Composting
- KSU Recycling



Win an Apple
iPod Shuffle and Other
Prizes

Drawing Wednesday at Lunch

Must be present to win



2013
WORKS!

Concurrent Sessions Descriptions



Beneficial Use/Energy from Waste

Anaerobic Digestion Feedstocks - **Steve McNinch**, Western Plains Energy LLC, presented last year about the use of manure as a feedstock for anaerobic digestion at Western Plains. The facility is now exploring the possibility of obtaining other feedstocks, e.g., food waste. **John George**, Agricultural Engineering Assoc., and **Shane Chrapko**, Himark bioGas, will also discuss the possibility of obtaining and using other diverse feedstock for use in anaerobic digestion.

Using Flue Gas Desulfurization (FGD) - **Ron Chamberlain**, Managing Director, Gypsoil, LLC and **Bob Spoerri**, CEO, Beneficial Reuse Management/Gypsoil, LLC. Westar Jeffrey Energy Center generates FGD as the result of installing scrubbers to remove sulfur dioxide from the stack gasses. The facility already was removing particulate with electrostatic precipitators. Gypsoil has proposed a beneficial use plan to use the synthetic gypsum for agronomic uses by land application to filled farm fields.

Beneficial Use Determinations - Diverting solid waste from disposal has a financial incentive to the generator but must also be environmentally appropriate. **Shelley Schupp** and **Joe Cronin**, KDHE/Bureau of Waste Management, will discuss the process for reviewing and approving beneficial use requests. Several examples of Kansas approved projects will be included.



Household Hazardous Waste

Chemical Cocktails: Safe Work Practices for Chemical Management - Barton County Community College - KAR 28-29-1102(e) states that a minimum of eight hours of annual refresher training is required for anyone responsible for sorting, segregating, or processing of household hazardous waste. The HHW training provided at the Works conference fulfills the eight hour refresher requirement.

Household Radioactive Materials - **Isabelle Busenitz**, Kansas Department of Health and Environment, Bureau of Environmental Health

Program Updates - **Jessica Willard**, Kansas Department of Health and Environment, Bureau of Waste Management

Don't miss this demonstration
10:30 Wednesday

Safety Around High Voltage Power Lines - Westar Energy, Inc.

Westar Energy will provide a power point presentation about the hazards associated with high voltage overhead and underground power lines. This presentation will discuss the effects of electricity on the human body through touch potential and step potential. You'll learn why to be observant for downed power lines and steps you can take to protect yourself and others from this danger.

With the aid of a "Hot Trailer" energized at 7,200 volts, we will review and demonstrate real life situations to help you incorporate the observance for possible electrical hazards during work life and everyday life activities.

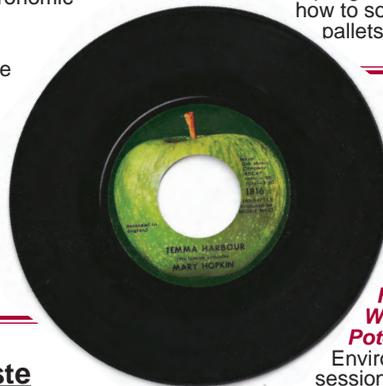


Composting

Food Waste, In-vessel - Food waste and other industrial wastes are available to facilities willing to work with more than yard waste. We will have three presentations discussing using alternative materials. **DeAnn Presley**, K-State, will discuss using food waste at their site on the agronomy farm, and **Michael Rea and Eric Nelson**, Johnson County Community College, will discuss their in-vessel composting system using food waste from the college.

Moisture Management, Industrial Materials for Composting - With last summer being so dry, moisture has become even more important. **Mike Tabor**, Seward County Landfill, will provide information on managing the composting process in extreme conditions. **John Harsch**, Kansas Trophy Outfitters, will discuss using material from industrial sources.

Wood Waste Management - Many of our composting sites accept trees and brush but have never thought about wood waste that might have a quarantine coming to their site. **Jeff Vogel**, Kansas Department of Agriculture, will provide information on how this material should be handled and what precautions need to be taken when accepting it. **Jeff Ralls**, Evergreen Recycle - Wichita, will discuss how to source, process, and market wood from trees and brush, pallets, and other industrial sources.



Waste Reduction & Local Assistance

Hazards of Recycling and Composting Centers - What can be done to Identify, and Prevent or Control Potential Hazards **Julia Young**, Kansas Dept. of Health & Environment, and **Allen Vinyard**, Kansas Dept. of Labor. This session will cover commonly found hazards at recycling and composting facilities and a common process which can be used to identify hazards before they occur. Participants will also receive guidance on how to determine appropriate protective measures to aid in prevention and control of identified hazards. The final portion of the program will provide information on the Department of Labor's free 'Safety Assistance and Consultation Program', 'Safety and Health Achievement Recognition Program (SHARP)' for small businesses and 'Safety and Health Awards for Public Employees' program for public employees which can aid in heightening safety and health measures for their employees.

Program updates - **Kristine Hicks, Karen Lollman, Megan MacPherson, Bob Medina, Tim Wilson**, KDHE. This session will be styled after the popular Ignite craze that has become one of the most popular, fun and efficient ways of presenting information. Each of the 5 experts will give you an exciting and fast paced glimpse into a wide variety of current projects Bureau of Waste Management staff are working on. What's going on with the CRT program, Green School Grants, Illegal Dumps, Green Teams and Closed City Dump program? Come and find out! By the end of this session you will be all but guaranteed to have take away information you can use in your local community. You will also leave wanting more!

Commodity Markets Updates/Roundtable Discussion - Up-to-date market information and forecast projects on e-waste components, metals, glass and fiber commodities will be provided by **Marty Kowalski**, Sonoco Recycling; **Donna Utter**, Ripple Glass; **Dave Keeling**, Steel Recycling Institute; and **Tim Moore**, Unicorn Recycling. Learn firsthand from the actual brokers, processors and buyers of material to maximize your revenue streams. You will have an opportunity to discuss current trend and challenges in recycling, waste reduction and related areas. *This is a great session to share and learn from your counterparts from across the State, but only if you participate!*



2013 Kansas Solid Waste Hall of Fame Inductee

William A. Ridge

After working most of his career as an engineer for manufacturing companies, Bill Ridge entered the world of trash in the early 1990's as an original member of the McPherson Area Solid Waste Utility board of directors as a representative for the County.

In 1995 he became the utility's second general manager. During the twelve years of his leadership the utility accomplished many things and has gained a reputation as one of the most progressive solid waste organizations in the state.

Among the utility's accomplishments that he oversaw include the building of a state-of-the-art transfer station and recycling facility, the closure and capping of the municipal solid waste landfill and the conversion of residential trash collection to full-automation. Also during that time, the waste diversion or recycling rate in McPherson County increased from about 5% to now over 30% and is one of the highest rates in Kansas.

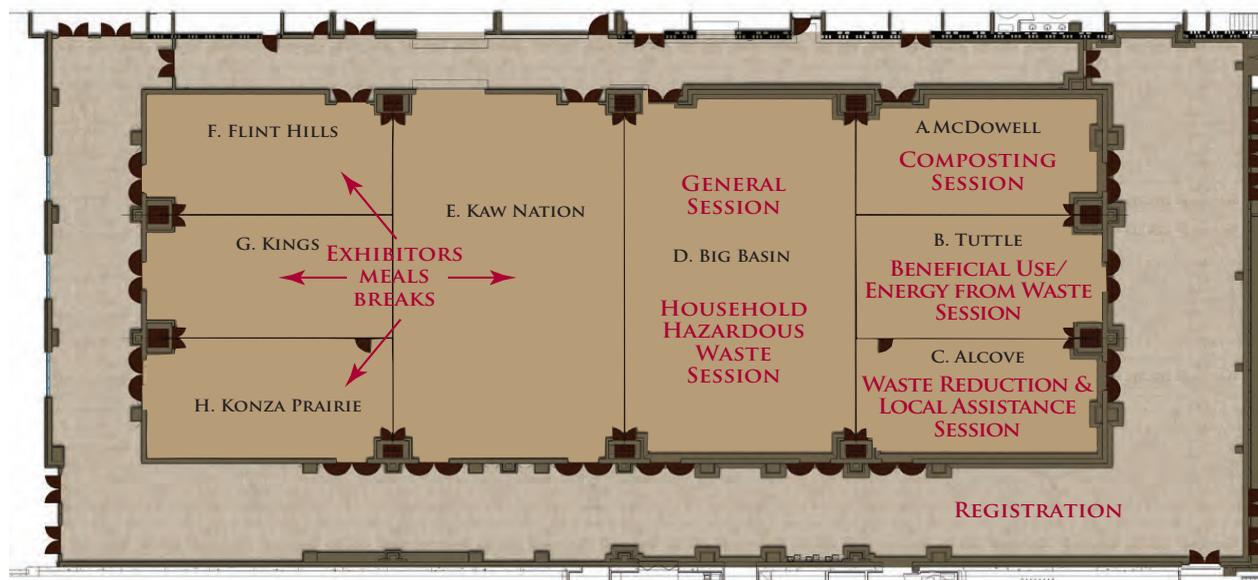
Since retiring as General Manager in 2007 Bill has been working on the permitting of a new municipal solid waste landfill in McPherson County ensuring the citizens of McPherson County long-term control over trash disposal costs.

Bill has been a board member of the Kansas Chapter of SWANA (Solid Waste Association of North America) serving as it's treasurer in 2001 and the president in 2004 and 2005. Bill has also served as the Kansas SWANA chapter secretary since 2006. At the 2006 Recycling and Composting Works conference he was given an award as a Solid Waste Leader in Kansas.

The utility's mission statement is "To serve the residents of McPherson County by providing high quality, safe, cost effective and environmentally sound solid waste services today and for future generations". Bill has served that mission well for not only McPherson County but also for the residents of Kansas.



Hilton Garden Inn



Presenters



BIDER, Bill, Kansas Dept. of Health & Environment - Bill Bider has been the director of the Kansas Bureau of Waste Management since 1993. He is responsible for all state regulatory and outreach programs related to the management of solid and hazardous wastes. Prior to this position, he was the Corporate Manager of Environmental Protection at Trans World Airlines for 8 years. Bill received a chemistry degree from Bethany College in Lindsborg and a Masters in Environmental Health Science from the University of Kansas.



HOLMES, Lindsay, Program Coordinator/Advisor, Barton County Community College - Lindsey is responsible for assisting with the administration, promotion and support of student learning, initiating and implementing educational opportunities, faculty support, retention of students, and serving as an educational resource for Hazmat and Emergency Management programs. She has been working with Barton County Community College and participating in the HHW training program since 2007.



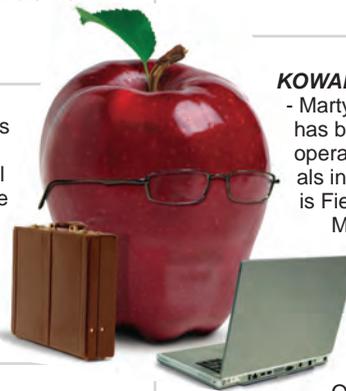
BUSENITZ, Isabelle, Kansas Dept. of Health & Environment - Isabelle is the Regulatory Affairs and Training Coordinator for the Kansas Department of Health and Environment in the Radiation Control Program. She coordinates the training program and works with the regulations to keep them up-to-date. Isabelle recently was instrumental in the initiation and development of the Radiation Response Volunteer Corps, a group of radiation professionals that are trained to assist State and Local authorities in a radiation emergency.



KEELING, David, General Manager for Western United States for the Steel Recycling Institute (SRI). He is a LEED Accredited Professional in the United States Green Building Council. Mr. Keeling's recycling related responsibilities include working on the state, county and municipal levels to implement steel recycling, as well as expand the steel recycling infrastructure and developing additional end markets for post-consumer steel scrap.



CHAMBERLAIN, Ron, Gypsoil, LLC - Ron is the Managing Director of Gypsoil, LLC, the FGD Gypsum marketing Division of Beneficial Reuse Management. His 40 years experience in the Agriculture Industry includes management positions at Ag Spectrum Company, United Agricultural Products, Super Crost Seeds, BASF USA and BASF Europe. Ron has a BS in Agricultural Mechanization from Purdue University.



KOWALSKI, Marty, Field Representative, Sonoco Recycling - Marty has 24 years experience in the recycling industry. He has been involved in all phases of manufacturing, start up operations, marketing, selling and buying of recyclable materials in both the domestic and export markets. His current role is Field Representative for Sonoco Recycling in Atlanta, GA. Marty supports the Atlanta processing center through routine supplier visits, inquiring and soliciting of new supply. He also has responsibilities for managing the MARS Inc account. This requires assisting manufacturing facilities to establish and maintain recycling processes. MARS facilities have to achieve zero landfill status by the end of 2014. Marty has been on Kansas Organization of Recyclers board the past 4 years.



CRONIN, Joseph E., P.E., Kansas Dept. of Health & Environment - Joe is a licensed Professional Engineer in Kansas. He has worked for KDHE 37 years with over 30 years in the solid waste field. Joe received a M.S. in Environmental Health Engineering from the University of Kansas in 1981 and a B.S. in Mechanical Engineering from Wichita State University.



LOLLMAN, Karen, Kansas Dept. of Health & Environment - Karen has worked for KDHE for 15 years and is currently a Public Service Administrator serving as the Grants Administrator and Green Schools Grant Program Manager. She received an AA in computer information systems from Washburn University. Karen's understanding of "small town America" coupled with her experience in "the city" gives her a unique perspective when working with grantees from all over the state.



GEORGE, John A., P.E., President and Chief Engineer, Agricultural Engineering Associates, Uniontown, Kansas. Mr. George is a Fellow in the American Society of Agricultural Engineers and was honored as the Professional Engineer of the Year in 2012 by the Professional Engineering Institute. Renewable energy from anaerobic digestion of manure has been a growing focus and Mr. George introduced the Himark bioGas technology to the Western Plains Energy integrated renewable energy project at Oakley, Kansas that uses primarily open feedlot manure to produce Advanced Biofuel ethanol from grain Sorghum.



MacPHERSON, Megan, Kansas Dept. of Health & Environment - Megan has worked with Bureau of Waste Management for nearly 3 years in the role of State Green Team Coordinator. Her efforts include the promotion of Kansas Green Teams, work on the Waste Tire Grants and other education and outreach projects. Megan has a degree in marketing communications from Wichita State University.



HARSCH, John, Kansas Trophy Outfitters- John has spent his career working in the livestock & natural resources industries. John spent 7 years as the Section Chief of the Livestock Waste Management Section for KDHE. Through his experience, he has developed an extensive knowledge of the state of Kansas statutes, regulations, and design standards relating to Environmental issues.



MEDINA, Bob, Kansas Dept. of Health & Environment - Bob is an Environmental Scientist for the Bureau of Waste Management and the coordinator of the Illegal Dump Clean Up Program for the state of Kansas. He has worked 21 years for the Kansas Department of Health and Environment (KDHE), starting with the Bureau of Environmental Remediation. The last 15 years he has been with the Bureau of Waste Management conducting solid and hazardous waste inspections of illegal dumping in Kansas working with federal, state and local governments identifying responsible dumpers and conducting the oversight of the clean ups. Prior to working with the state of Kansas Mr. Medina worked for civil engineering companies in Colorado and Arizona.



HICKS, Kristine, Kansas Dept. of Health & Environment - Kris joined the Bureau of Waste Management in the Waste Reduction and Local Assistance Section in March 2005. She studied Wildlife Biology and the Applied Sciences in Industrial/Mechanical Engineering. Kris is passionate about her job, which is providing waste minimization technical assistance including recycling, source reduction, and managing grant funding.

Presenters



NELSON, Eric, Compost Technician and student, Johnson County Community College - Eric has been operating and innovating the invessel composting operation since its inception in June 2011. Since that time, he has processed 57 tons of preconsumer food waste into compost that is used for the college's on-campus 2.5 acre sustainable agriculture farm program. Eric attended the Maine Compost School and will attend the University of Kansas to pursue a degree in environmental science.



RALLS, Jeff, Owner, Evergreen Recycle LLC, Evergreen Pallet LLC, Magill Truck Line LLC, Ralls Properties LLC, J&R Cattle J&R Excavating - Jeff has composting experience with Evergreen Recycle for seven years, Ford County Solid Waste Division for three years, and bio-fuel production with Evergreen Recycle for six years. Jeff currently resides in rural South Haven Kansas.



REA, Michael, Sustainability Project Manager, Johnson County Community College - Mr. Rea oversees the sustainability projects at the Johnson County Community Colleg including recycling, composting, energy conservation, waste minimization, and outreach.



SCHUPP, Shelley, P.E., Kansas Dept. of Health & Environment - Shelley is a licensed Professional Engineer with a Civil Engineering degree from K-State University. She has 19 years experience in engineering. While an environmental engineer for SCS Engineers, her work included landfill design, landfill gas design, and environmental reports. Later, her focus was on land development for both residential and commercial properties, including grading, stormwater management, sanitary sewer extension, and waterline extension. In December 2010, Shelley joined the Solid Waste Processing & Planning Unit in the Bureau of Waste Management where she manages the applications to landfarm petroleum contaminated soil and assists on the solid waste processing permits.



SPOERRI, Bob, CEO, Beneficial Reuse Management/ Gypsoil, LLC - Bob has been involved in building, managing and leading high performance businesses for more than 30 years. He spent over 20 years at LaSalle Partners, a real estate services firm in Chicago, including 10 years as Chief Operating Officer and President. Under his leadership, the firm grew to national and international prominence and through merger with four other companies, created the firm Jones Lang LaSalle (NYSE:JLL), now the world's leading real estate services and investment management firm. Bob subsequently served as CEO of two other businesses; Comro.com, a company in the real estate technology business and Mapeley PLC, a London based property investment and Development Company. Bob received an MBA degree from Harvard Business School and a B.S. from Indiana University.



TABOR, Mike, Landfill Director, Seward County Regional Subtitle D Landfill, Liberal, Kansas - Mike has been director of the Seward County Landfill, a 350 tpd facility serving Southwest Kansas and the Oklahoma Panhandle, since 1992. Seward County operates a HHW facility and has one of the largest source separated compost operations in Kansas, currently receiving 200 tons of waste per day. Seward County operates a waste hauling business from this facility serving more than 3000 customers. Mike has a 20 year background with Seward County serving in the past as Assistant Fire Chief and Emergency Preparedness Director, Zoning and Planning Director and currently as Landfill Director. He is a Certified Hazardous Materials Manager and a Certified Landfill Manager. In 2003 Mike received the Certified Public Manager Certification through the KU Public Management Center. He was inducted into the Kansas Solid Waste Hall of Fame in 2006. Mike served as President of the SWANA Kansas Sunflower Chapter 2006-07 and presently serves as Treasurer.



UTTER, Donna, Director of Business Development, Ripple Glass - Donna has worked for Ripple Glass since 2011, affording her the opportunity to learn about and work with many community recycling programs across the mid-west, helping to start glass recycling programs and increase diversion rates. She served as Area Manager for Abitibi Recycling and as Director of Region D Solid Waste District in northwest Missouri.



VINYARD, Allen, Safety Consultant/SHARP Coordinator, Kansas Department of Labor, Industrial Safety and Health Unit - Allen conducts work place inspections at various businesses across the state of Kansas and coordinates the Safety and Health Achievement Recognition Program (SHARP). SHARP program provides incentives and support to small, high-hazard employers to work with their employees to develop, implement and continuously improve the effectiveness of their workplace safety and health programs. Allen is a graduate of the University of Central Missouri, with a Bachelor of Science in Safety Management. In his career, he has worked with the Kansas Department of Labor, Kansas Department of Transportation, and Hamm Construction.



VOGEL, Jeff, Manager, Plant Protection and Weed Control Program, Kansas Department of Agriculture - Jeff served as the State Weed Specialist for the Weed Control Program from 2006-2010. Prior to working for the Kansas Department of Agriculture, he earned a Bachelors of Science in Agriculture in 2002, majoring in Agronomy and a Masters of Science, focusing on Weed Science in 2005.



WILLARD, Jessica, Kansas Dept. of Health & Environment - Jessica is an Environmental Scientist with the Bureau of Waste Management and is the program manager for the household hazardous waste program. She has worked for KDHE five years, coordinating various aspects of several programs and related projects.



WILSON, Tim, Kansas Dept. of Health & Environment - Tim is an Environmental Scientist with the Bureau of Waste Management and is currently the project Manager for the City Dump program. He was recently transferred from the Bureau of Remediation to the Bureau of Waste Management along with the City Dump program. Tim received his BS in Agriculture from Kansas State University in 1999. Prior to working with KDHE, he worked at various locations throughout Kansas for the Kansas Department of Wildlife & Parks.



YOUNG, Julia, Kansas Dept. of Health & Environment - Julia Young has served as the Safety Officer for the employees of the Kansas Department of Health and Environment Division of Environment (DOE) since 2007. She is responsible for ensuring the safety program is in compliance with national standards and can be implemented by employees at all levels. Prior to holding this position, she worked in the emergency management field for seven years, providing assistance to local municipalities, first responders and industry partners for chemical, radiological and biological preparedness and emergencies. Her career began in 1994 when she held the position of an Environmental Hazards Inspector for Professional Services Industry, Inc. In 1997, she worked for Lawrence Paper Company as the Environmental Compliance and Chemical Safety Officer. Jessica holds a degree in Biology and Environmental Science from Pittsburg State University.

What Kind of Apple Eater Are You?



There are almost as many ways to eat an apple as there are apple varieties. What kind of apple eater are you? Compare your munching method with these apple profiles.

1. **Compulsive Wedger:** This apple eater can't eat the apple whole; must have perfect, core-free wedges neatly arranged on a plate. Each wedge must equal one-eighth of an apple.



2. **Splitter:** This apple eater hates to deal with the core, but isn't compulsive enough to bother with wedges – just chops the apple in half, removes the core and munches contentedly. Muscle-bound types show off their brute force by twisting the apple in half with their bare hands (though in fact it's really not that difficult).



3. **Circle Stickler:** This rebellious sort slices the apple against the grain – across the core, to make round slices. She can often be found with convenient slices of cheese at hand. This person knows that round apple slices are much better than crackers!

4. **Top-to-Bottom Type:** This methodical muncher starts at the stem and munches all the way down to the bottom. He doesn't change the apple's position until one vertical top-to-bottom pass had been completed. He then rotates the apple to continue in the next lane until the whole thing is done.



5. **Equator Eater:** Probably the most common approach, this muncher takes bites out of the center of the apple all the way around, until the apple looks something like a mushroom on a mirror. The nibbler then attacks the top, and finally the bottom, which is somewhat less convenient as there is no place left to hold apple without getting one's fingers juicy – but she doesn't mind!



6. **The Streak:** This eater prefers to eat his apples in the nude – the apple, that is! He does not care about what he's been told about all those vitamins and fiber in the skin, peeling the stuff right off, preferably in one long winding piece. Once the peeling is complete, he either eats the apple whole or sliced. The latter method is usually employed, as the apple's skinless state can lead to copious juice drippings.



7. **Core-Free Cruncher:** This muncher comes in two personalities. Type B loves gadgets and small appliances – that nifty "apple corer" gadget. Type A is a seedophobic knife or sharp fingernails - she just has to get those darned seeds out of there before she'll even take one bite! The Type A personality does avoid core disposal issues, however.

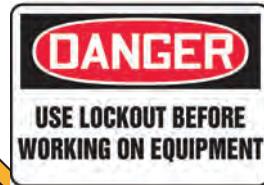
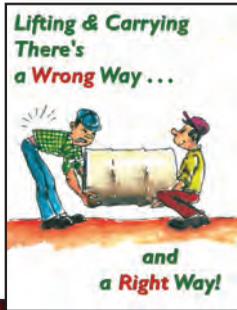
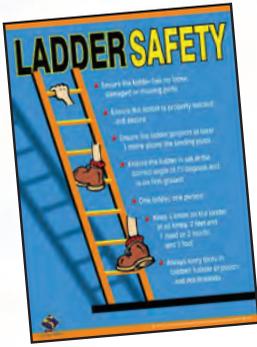


8. **Stem Plucker:** Before the first bite, this apple muncher grabs the apple's stem and twists, saying one letter of the alphabet with each turn. The letter at which the stem comes off has profound meaning, usually interpreted as the first initial of the name of the future spouse. (Married munchers, take note: Turns can be modified to ensure the stem comes out at the desired letter.) Particularly curious Stem Pluckers continue the ritual by poking the outside of the apple with the stem to determine the number of children they will have, said to be equal to the number of pokes it takes to break the skin of the apple.



Did You Know?

- In ancient Greece, tossing an apple to a girl was a traditional proposal of marriage; catching it was acceptance.
- An Irish and Scottish custom prescribed throwing an apple peel over one's shoulder which would form the initial of your lover's name.
- The modern tradition of tossing rice at the happy couple evolved from an ancient practice of throwing apples at weddings - likely to the relief of the newlyweds.
- The science of apple growing is called pomology
- 2,500 varieties of apples are grown in the United States
- Planting an apple seed from a particular apple will not produce a tree of that same variety
- Apples ripen six to ten times faster at room temperature than if they were refrigerated



*Hazards of Electricity
... Up Close and Personal*
Westar Energy's Electrical Hot Demonstration Trailer
Wednesday 10:30



2014
WORKS!

Ramada Convention Center Topeka, Kansas



Kansas Department of Health & Environment
Bureau of Waste Management



2013
works!



Kansas Department of Health and Environment - Bureau of Waste Management
1000 SW Jackson, Suite 320 Topeka, KS 66612-1366
785-296-1600 1-800-282-9790

Mission: To promote responsible choices to protect the health and environment for all Kansans.



printed on recycled paper