

## Inaugural pollution prevention program proves successful

The Kansas State University Pollution Prevention Institute (PPI) has teamed with the Kansas State University College of Engineering and other Kansas colleges and universities on a new Pollution Prevention (P2) Intern Program. Sponsored through the Environmental Protection Agency (EPA) and the Kansas Department of Health and Environment (KDHE), the P2 Intern Program is a nonregulatory, summer program that links top-level engineering and environmental sciences students with business and industry. These collaborations focus on projects to reduce industrial wastes, conserve natural resources, and benefit the Kansas environment. Students work with technical advisors and a host company to identify P2 projects that reduce or eliminate hazardous and solid wastes, air emissions, water contaminants, or energy use. Results of the interns' P2 projects are incorporated into case studies and shared with their company representatives, PPI, EPA, and KDHE.

The inaugural program consisted of four interns who were placed in industries in Iola (two interns), El Dorado, and Ulysses. The interns first attended week-long training in Iowa, where they gained an understanding of pollution prevention strategies for problem solving and environmental management, and then converted this knowledge into practical experience in their individual industrial settings. Projects included a

relamping project to reduce energy consumption, an air audit to reduce energy loss through high-pressure air and steam leaks, an erosion-control project to reduce hazardous waste, and an alternative-fuels project to reduce reliance upon conventional fossil fuels.

The initial results were impressive. Although some of the projects require further research, by implementing the interns' recommendations, companies could accomplish the following:

- divert 444 tons of solid waste,
- eliminate 625 tons of hazardous waste,
- reduce energy consumption by more than 1.5 million kWhs,
- prevent 125 tons of soil loss, and
- save more than \$365,000 in disposal and energy costs.

PPI is hoping to double the number of interns for the summer 2007 program. If your business has wanted to explore P2 opportunities for your operations but hasn't had the time or resources, the P2 Intern Program could help you make headway on new projects and save you money. Interested companies must complete their applications by Jan. 31, 2007. For additional information, go to [www.sbeap.org](http://www.sbeap.org) or contact the PPI at 800-578-8898.

### Idling reduction workshop

The Kansas State University Small Business Environmental Assistance Program will be hosting an idling reduction workshop in Kansas City in May or June 2007. Trucking company representatives will present their emission-reduction success stories, and engine manufacturers will discuss new and add-on equipment. Watch for future announcements on our Web site at [www.sbeap.org](http://www.sbeap.org).



**Kansas Small Business Environmental Assistance Program**

**SBEAP**

# EnviroLines quick reads

## Air Quality 102 Workshop

Your facility may have everything wrapped up in regards to hazardous waste, but have you evaluated your facility for its air emissions? Environmental compliance in Kansas is a multi-media process, as the Kansas Department of Health and Environment (KDHE) continues its tradition of protecting the Kansas environment. To assist small businesses in evaluating their contribution to Kansas' air quality, the Kansas State University Small Business Environmental Assistance Program (SBEAP) has scheduled three workshops for 2007. They are Feb. 7 in Salina, Feb. 13 in Wichita, and Feb. 28 in Overland Park. These workshops are intended to provide small business owners with some guidance for complying with Kansas air regulations. Topics covered during the workshop will include regulated air pollutants, changes in the air regulations, "hands-on" training on how to calculate your "potential to emit" (PTE), construction permits and construction approvals, air operating permits, and air emission inventories. Go to [www.sbeap.org](http://www.sbeap.org) to register, or contact SBEAP at 800-578-8898.

## Kansas City ozone status

Is Kansas City in danger of violating the Environmental Protection Agency (EPA) standard for ground-level ozone? The answer is "yes." This summer, ozone monitors stationed around the greater Kansas City area recorded 28 exceedances of the eight-hour standard over 14 days. EPA determines compliance with the standard based on a three-year average of the fourth-highest reading at each monitor. These exceedances and those recorded in 2005 have created a high likelihood that the region will violate the eight-hour ozone standard sometime in the summer of 2007.

Is there something we can do to help? Again, the answer is "yes." Ozone is produced when pollution from many sources undergoes a chemical reaction on hot, sunny days, resulting in unhealthy air. These sources include the gasoline that powers our cars and lawnmowers, as well as the

solvents in the paints and household cleaners we use. More than one-half of the ozone generated comes from these ordinary sources. For more information on the ozone issue, go to [www.sharetheair.com/outdoor/out\\_kcaq.htm](http://www.sharetheair.com/outdoor/out_kcaq.htm) (Johnson County); [www.wycokck.org/gen/wyco\\_generated\\_pages/Air\\_Quality\\_m1821.html](http://www.wycokck.org/gen/wyco_generated_pages/Air_Quality_m1821.html) (Wyandotte County); and [www.marc.org/Environment/airQ/ozone-info.htm](http://www.marc.org/Environment/airQ/ozone-info.htm) (Mid-America Regional Council or MARC).

## What do I do about wood waste?

Is your industry burdened by excess wood waste? Do you generate more scrap wood or pallets than you can reuse and then have difficulty disposing of them? This is a common problem throughout the country, and unfortunately, this natural resource often ends up taking up valuable landfill space or is burned illegally, negatively impacting the environment. A new fact sheet that details Kansas-specific wood waste recycling and disposal options can be found at [www.sbeap.org/ppi/industry/general.htm](http://www.sbeap.org/ppi/industry/general.htm).

## MEK delisted—what does this mean?

Last December, the Environmental Protection Agency (EPA) removed methyl ethyl ketone (MEK) from the list of hazardous air pollutants (HAPs) under Section 112 of the Clean Air Act (CAA). MEK is a chemical used in a number of industry processes, either as a pure chemical or as a blend.

Although MEK has been delisted under the CAA as a HAP, it has NOT been delisted under the Resource Conservation and Recovery Act (RCRA) and is still regulated under RCRA as a listed and characteristic hazardous waste. As a waste, MEK usually exhibits both toxicity and ignitability characteristics and is listed as an F005 waste solvent in spent-solvent mixtures/blends containing 10 percent or more by volume of MEK. As a commercial off-spec product, MEK is also a listed waste under RCRA hazardous waste code U159 and a characteristic waste under RCRA hazardous waste codes D035 and D001.

## Small Business Environmental Assistance Program

The mission of the Kansas Small Business Environmental Assistance Program (SBEAP) is to help Kansas small businesses comply with environmental regulations and identify pollution prevention opportunities. SBEAP is funded through a contract with the Kansas Department of Health and Environment. SBEAP services are free and confidential. For more information, call 800-578-8898, send an e-mail to [SBEAP@ksu.edu](mailto:SBEAP@ksu.edu), or visit our Web site at [www.sbeap.org](http://www.sbeap.org).



### Notice of nondiscrimination

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## Dear EnviroMike:

Our business generates up to 200 pounds of hazardous waste in any calendar month. We've been complying with the Kansas Department of Health and Environment (KDHE) requirements for a Kansas generator. I heard the hazardous waste generator categories are going to change. Is this true?

—Signed,  
Generator Gina

Dear Gina,

Yes, this is true. Kansas hazardous waste regulations are being updated to better reflect Environmental Protection Agency (EPA) requirements. One of the changes will be new hazardous waste generator categories. Instead of the former three categories (small quantity generator, Kansas generator, and EPA generator), there will be four. As you can see from the following new categories, your business will now be considered a limited small quantity generator:



- conditionally exempt small quantity generator [ $<25$  Kg (55 lbs)/month]
- limited small quantity generator [25 Kg (55 lbs) to  $<100$  Kg (220 lbs)/month]
- small quantity generator [100 Kg (220 lbs) to  $<1,000$  Kg (2200 lbs/month)]
- large quantity generator (1,000 Kg or more/month)

These changes will not be effective for at least a year, and notification will be sent by KDHE prior to the effective date.

## The proper place for pharmacy waste—a pharmaceutical outreach project

You've seen it in the news recently – human and veterinary drugs (including antibiotics), personal care products, natural and synthetic hormones, plasticizers, insecticides, and fire retardants – all among the types of chemicals found in surface waterways across the country. According to a 2002 United States Geological Survey study, "One or more of these chemicals were found in 80 percent of the streams sampled."

Disposal of excess or expired pharmaceuticals via the sanitary sewer system has been the standard for years in homes and healthcare settings. Because of concern over these compounds in the environment, alternative disposal methods are encouraged. As Kansas residents, most of us can dispose of these medications through our local household hazardous waste programs. Find

your local program at [www.kdheks.gov/waste/download/HHW\\_point\\_of\\_contact\\_01-04.pdf](http://www.kdheks.gov/waste/download/HHW_point_of_contact_01-04.pdf).

In 2007, the Small Business Environmental Assistance Program and the Kansas Department of Health and Environment will seek to work with multiple-agency partners to research, develop, and implement a pharmaceutical waste management program for nonresidential healthcare generators, mainly nursing homes. The Proper Place for Pharmacy Waste Program will seek to educate facilities in an effort to keep pharmaceuticals out of our waterways by using disposal practices that are economically feasible and environmentally preferred. If you have questions about this program, call Nancy at 800-578-8898.

# EnviroLines events calendar

Pollution Prevention Intern Program; industry applications due Jan. 31, 2007; apply at [www.sbeap.org/internships.html](http://www.sbeap.org/internships.html).

Air Quality 102 – Air Emissions Workshop; Feb. 7, 13, and 28, 2007; Salina, Wichita, and Overland Park, Kan., respectively; register at [www.sbeap.org/workshops.html](http://www.sbeap.org/workshops.html).

Beyond Rehab the Lab: Micro-Scale and Green Chemistry Workshop; April 13, 2007; Salina, Kan.; watch [www.sbeap.org/workshops.html](http://www.sbeap.org/workshops.html) for more information.

## Monthly EHS networks

Several monthly Environmental Health and Safety Networks meet regularly around the state. Go to [www.sbeap.org/ppi/calendar.asp](http://www.sbeap.org/ppi/calendar.asp) for details.

Dry-cleaner compliance calendars should be in the mail by the end of the year. If you do not receive one, contact SBEAP at 800-578-8898 or download one from [www.sbeap.org/publications.asp](http://www.sbeap.org/publications.asp), then select Dry Cleaners.

## MACT compliance dates

HHHHH	Miscellaneous Coating Manufacturing	12/11/2006
MMMM	Miscellaneous Metal Parts and Products Coating	1/2/2007
EEEE	Organic Liquids Distribution	2/3/2007
PPPP	Plastic Parts and Products Surface Coating	4/19/2007
EEEE	Iron and Steel Foundries	4/22/2007
III	Auto and Light-Duty Trucks Surface Coating	4/26/2007
ZZZZ	Reciprocating Internal Combustion Engines	6/15/2007
FFFF	Miscellaneous Organic Chemical Production and Processes	5/10/2008 (extended from 11/10/2006)

## Favorite places – Web

KDHE Bureau of Air and Radiation – [www.kdheks.gov/bar/index.html](http://www.kdheks.gov/bar/index.html)

KDHE Bureau of Waste Management – [www.kdheks.gov/waste/index.html](http://www.kdheks.gov/waste/index.html)

National Small Business Environmental Assistance Program – [www.smallbiz-enviroweb.org/](http://www.smallbiz-enviroweb.org/)

Environmental Protection Agency – [www.epa.gov/](http://www.epa.gov/)

Kansas Small Business Environmental Assistance Program – [www.sbeap.org](http://www.sbeap.org)



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