May Meeting

May 24, 2005

Business & Technology College
Exhibit Hall
1775 Universal Ave.,
Kansas City, MO
(435 Hwy & Front St)

$20.00/person

5:30 pm board meeting
6:30 p.m. social
7:00 p.m. meal/tour

RSVP: Ben Gudde
816-792-6206
BGUDDE1@Hallmark.com

Speaker/Topic:
Sybill Chandler, CHMM
EH&S Degree Program Coordinator, and BTC staff, for a presentation and facility tour

Paul Studebaker Named Fellow of the Institute

Paul Studebaker, one of the founding members of the Heartland Chapter, was one of five CHMMs nationwide to recently be named a 2004 Fellow of the Institute by the IHMM Board of Directors.

Paul served on the Douglas County, Kansas LEPC, and was the former EH&S Director at FMC Corp., Lawrence, Kansas. He retired from there in 1999 after 34 years and formed a consulting firm, Southwind Environmental Associates, of which he is currently the President.

In addition to his long-time participation and service the Heartland Chapter, Paul has served as a member of the Institute Board of Directors since 1998. In 1999, Paul spearheaded the lobbying effort before the Kansas legislature to achieve professional recognition for the CHMM credential. Paul received the ACHMM Champion of Excellence Award twice and the FMC Environmental Honor Roll award for work in waste minimization. An article he co-authored, entitled “Management of a Groundwater Problem”, was awarded the Willem Rudolfs Medal in 1984.

Fellow nominees must be nominated by at least two current Fellows, and they must have made significant contributions to the hazardous materials management.

We thank you for all of your hard work, Paul, and congratulations for this well-deserved recognition!

Millennium Ecosystem Assessment Releases Report

The Millennium Ecosystem Assessment (MA), an international work program designed to gather, evaluate and disseminate scientific information concerning the consequences of ecosystem change, just released the results of a four-year study. The study was launched by U.N. Secretary-General Kofi Annan and was performed by 1,360 experts from 95 nations. This study presents the consensus view of the largest body of social and natural scientists ever assembled to assess knowledge in this area.

The MA’s findings conclude that, over the past 50 years, humans have changed the Earth’s ecosystems more extensively than in any comparable period of time in history, resulting in a substantial and largely irreversible loss in the diversity of life on Earth. These changes have contributed to substantial net gains in human well-being and economic development, but at growing costs that, according to the experts, will substantially diminish the benefits that future generations obtain from ecosystems, unless addressed. The degradation of ecosystem services could grow significantly worse during the first half of this century. Reversing this trend, while meeting increasing demands for services, is possible, but will involve significant changes in policies, institutions and practices.

“Ultimately, the only power to which man should aspire is that which he exercises over himself.”
- Elie Wiesel
Man-made Wetlands Effective as Natural Marsh

The March issue of Water & Wastewater Products contained an interesting article regarding findings from a 2-year study of a man-made wetland in Ohio. The findings of the study appear in the current issue of the journal Ecological Engineering.

The following are excerpts from the Water & Wastewater Products’ article: Researchers have concluded that the constructed wetland, which was made by bulldozing a series of basins into a former farm field, actually filtered and cleaned water as well as, or better than would, a natural marsh. The wetland reduced levels of phosphorus by nearly 60% and nitrates by 40%. "We saw close to the kind of decrease we typically see in a natural wetland," said William Mitsch, a study co-author and the director of the Olentangy River Wetland Research Park at Ohio State Univ. Often called the "kidneys" of the environment, wetlands act as buffer zones between land and waterways. They also act as sinks — wetlands filter out chemicals in water that runs off from farm fields, roads, parking lots and other surfaces and hold on to them for years to come.

But the jury is still out on how long a wetland can remain a sink for certain nutrients, Mitsch said. For example, phosphorus doesn't degrade, so after 30 or 40 years, the wetland in this study could possibly become a phosphorus source. "Wetlands' capacity to store phosphorus declines with time," Mitsch said. "But a wetland that reaches that point has extremely rich soil, which could be harvested and spread over a farm field. Or the wetland itself could be turned into a field again, assuming there are other wetlands nearby to take its place."

The three-acre wetland in the study was roughly the size of three football fields and drained a watershed about 14 times that large. The researchers studied the wetland for two years, collecting and analyzing water samples twice each month. They tested for concentrations of phosphorus, nitrates and several other chemicals. The researchers also gathered data on water flowing into the wetland from rain and snowfall and from ground sources. They wanted to know if the design of this experimental wetland would work. Apparently, it did.

Wetlands experts estimate that the American Midwest has lost about 80% of its wetlands in the last two centuries. However, about 577,000 acres of wetlands have been created or restored under current conservation programs.

Wetlands Delineation Training

A local, 5-day wetlands delineation training course and field practicum is being offered June 6-10. Instructors for the course are Stephen Parker, President of Adaptive Ecosystems, Inc., former regulator and botanist at the Corps of Engineers, & Timothy Knoernschild, soil scientist with the MO DNR Soil Water Conservation District Program. The course qualifies as continuing credit, as well as training toward the proposed COE Wetland Delineator Certification Program.

For more information, call 816-966-8199, e-mail sprater@adaptiveecosystems.com, or visit www.adaptiveecosystems.com.
Upcoming Events

May 10-13, 2005 – Tan-Tar-A, Osage Beach, Missouri
*Mid-America Safety, Health & Environmental Conference & Exposition*
For information on conference registration and agenda updates, visit [www.missourisafetycouncil.org](http://www.missourisafetycouncil.org). For room reservations, call Tan-Tar-A, at 800-826-8272

May 19-20, 2005 – Pasco, Washington
*National ACHMM Annual Leadership Workshop*
This highly valued 12-hour training opportunity is available at no cost to all paid members of the National ACHMM. Register today by calling 1-800-437-0137

May 24-26, 2005 – Marriott Country Club Plaza, Kansas City, Missouri
*EPA Region 7 Federal Facilities Conference*
To register on-line, go to [www.epa.gov/region7/news_events](http://www.epa.gov/region7/news_events)

May 26, July 21, Sept 22 and Nov 17 - KCMO Health Dept., 2400 Troost, Kansas City
*EEBN 4-Part EMS Workshop Series*
The Environmental Excellence Business Network (EEBN) is sponsoring this 4-part EMS workshop series. Contact Jennifer Gilbert (816) 561-1087 to register.

June 3, 2005 –Downtown Marriott, 200 W. 12th Street, Kansas City, Missouri
*MARCC’s Ninth Annual Regional Assembly: “Better Together”*
For additional information about the event, visit [www.marc.org](http://www.marc.org) or call 816-474-4240.

June 15, 2005 – Labconco, Kansas City, Missouri
*Lab Hood Seminar*
Sponsored by the Heartland Chapter ACHMM, this one-day seminar will cover both fume and biological hoods. $50 fee includes lunch. Contact Ken Grist at 816-822-3940

June 22-24, 2005 – Minneapolis, Minnesota
*A&WMA’s 98th Annual Conference and Exhibition*
For additional information, or to register, go to [www.awma.org/ACE2005](http://www.awma.org/ACE2005)

June 26-28, 2005 – Lodge of the Four Seasons, Lake of the Ozarks, Missouri
*2005 MWCC Conference*
For additional information, or to register, go to [www.mowastecoalition.org/conferences.html](http://www.mowastecoalition.org/conferences.html)

June, September, December and March - Discovery Center in Kansas City, MO
*MDNR 4-part EMS Training Sessions*
The Missouri Department of Natural Resources is co-sponsoring four Environmental Management Systems training sessions. Call Daniela Heppard 1-800-361-4827 for more information.

July 14-15, 2005 – Great Wolf Lodge, Kansas City, Kansas
*KC Area Safety & Health Conference and Exhibition*
Sponsored by the Safety and Health Council of Western Missouri and Kansas. For more information, visit [www.safetycouncilmoks.com](http://www.safetycouncilmoks.com)

Reminder:

Remember to send in your scholarship applications to Phil Dula. The deadline is May 15th!

Did you know….

The paper poppies made by disabled veterans and sold by the American Legion and Veterans of Foreign Wars on Memorial Day (May 30th) became a symbol after the horrific WWI battle in Flanders Field in Belgium. The field, littered with the bodies of young soldiers, was also filled with poppies.


The Kansas Department of Health and Environment (KDHE) Bureau of Air and Radiation recently published the 2003-2004 Air Quality Report. This detailed report contains information related to long-term air quality trends as well as emerging issues. The goal of the Bureau is to ensure that Kansas is meeting Federal Clean Air Act requirements, by complying with the National Ambient Air Quality Standards (NAAQS). The report discusses successes in air quality management, as well as identifying areas that need improvement. This year’s report also includes a section on emissions inventory issues and related data. A downloadable copy of the report is available on-line at [www.kdhe.state.ks.us/bar/download/2003_2004_AQ_Report.pdf](http://www.kdhe.state.ks.us/bar/download/2003_2004_AQ_Report.pdf).

**Revised Notification of Regulated Activity Form**

The Notification of Regulated Waste Activity form (EPA Form 8700-12) is used to obtain an EPA Identification Number and for the submission of a subsequent notification to update the information on your initial notification. A section is included with definitions for RCRA terms. The form is also used to notify the agency of your used oil and universal waste activities. You can download the new form and instruction booklet off of EPA’s web site [www.epa.gov/epaoswer/hazwaste/data/forms870/forms.htm](http://www.epa.gov/epaoswer/hazwaste/data/forms870/forms.htm).

**Revised Hazardous Waste Manifest**

The USEPA has recently published a newly revised hazardous waste manifest. According to EPA it will:

- Standardize the content and appearance of the manifest form and continuation sheet (Forms 8700-22, 22a);
- Make the forms available from a greater number of sources; and
- Adopt new procedures for tracking certain types of waste shipments with the manifest. These types of shipments include hazardous wastes that destination facilities reject, wastes consisting of residues from non-empty hazardous waste containers, and wastes entering or leaving the US.

After September 5, 2006, only the new manifest form and requirements established under this final rule will be valid and acceptable for use. You will be able to obtain new forms from any source that has registered with EPA to print and distribute the form. EPA will maintain a list of entities that have been approved. States may also register to print the new form, but State rules cannot establish the state as the exclusive source of forms.

*Published March 4, 2005 in the Federal Register (Volume 70 Number 42).*
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