

### Dallas Receives ISO 14001 Certification and Membership in Performance Track

EPA Administrator Stephen L. Johnson and EPA Region 6 Administrator Richard E. Greene joined Dallas Mayor Tom Leppert, City Manager Mary K. Suhm, and other City officials to recognize the City of Dallas' Environmental Management System (EMS) for achieving certification to the ISO 14001:2004 standards. Dallas is the only city in the nation credited for implementing an EMS for such a broad scale of its operations. The EMS covers 11 City departments and approximately 11,000 of the City's 13,000 employees. The City's environmental policy under the EMS emphasizes the importance of environmental stewardship and sustainable development.

"The EMS ensures that every employee at the City of Dallas, from our police officers to engineering staff, understand the importance of their individual impact on the environment and the City's continual efforts to reduce or eliminate those impacts," said Laura Fiffick, Director of the Office of Environmental Quality.



"Dallas has always had a big reputation, now they also have a green

*This EMS News (August 2008) is the seventh in a series of newsletters supported through a cooperative agreement with the EPA Office of Wastewater Management that will be published quarterly by the PEER Center. The goal of each EMS Newsletter will be to keep readers informed of current developments, events and articles on environmental management systems (EMS) in the public sector.*

reputation," said EPA Administrator Stephen L. Johnson. "By reducing the impact of its operations on the environment, Dallas is leading by example and continuing its commitment to the health of all residents."

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### Energy Management Workshop Update

EPA recently hosted an Innovative Energy Management Workshop on July 22 in Region 7 (Kansas City, Mo.), to assist water and wastewater treatment utility officials in the assessment of their current energy management programs in order to make improvements and save energy.

"EPA heard from more than 100 of our Midwestern utility partners at this workshop. There were many innovative energy measures discussed that will help them reduce energy costs and incorporate the use of renewable energy into their operations," said EPA Region 7 Administrator John B. Askew.

To read the full news release on the Kansas City Energy Management Workshop, [click here](#).

Additional workshops scheduled for 2008:

- Region 10, September 18 in Worley, Idaho
- Region 4, October 14 in Nashville, Tennessee
- Region 5, October 29 in W. Lafayette, Indiana
- Region 9 (to be determined)

To obtain a copy of the Energy Management Guidebook that is being utilized as a training tool in the Workshops, [click here](#).

## NEW RESOURCES

### Effective Utility Management Primer and Resource Toolbox

As part of its ongoing collaboration with industry to promote sustainable management practices with water and wastewater utilities, the Office of Water at EPA and six major trade associations have recently released the *Effective Utility Management Primer* and an associated electronic resource toolbox. These tools are an outgrowth of an historic agreement signed by EPA and these Associations in 2007.

The Primer provides utilities with a step-by-step guide to assess their operations based on series of 10 *Attributes of Effectively Managed Utilities and Keys to Management Success*. These Attributes define the types of outcomes EPA and its partners believe all utilities should strive for to assure their operations and infrastructure are sustainable in the future. The resource toolbox provides utilities with easy access to a number of other resources, based on the Attributes, which can help users achieve outcomes based on the Attributes and Keys to Management Success. EPA and the trade associations are continuing to work together to educate utilities on the value of the primer and resource toolbox.

To access these tools and other information about the Effective Utility Management Initiative visit: <http://www.epa.gov/waterinfrastructure/bettermanagement.html>

### On-Line EMS Tutorial for Wastewater Utilities

Based on the [EMS Handbook for Wastewater Utilities \(2004\)](#), the [EMS Tutorial for Wastewater Utilities](#) was developed with the support of the US EPA Office of Water and in consultation with utility managers that have an EMS in place at their facilities. The tutorial is designed for wastewater utilities and guides the user through EMS implementation based on the Plan-Do-Check-Act model. It provides instructions, lessons, exercises, and learning objectives for each step of an EMS.

To access the EMS Tutorial for Wastewater Utilities visit:

[http://www.peercenter.net/learning/intro/Chapter\\_EPA\\_Intro.cfm](http://www.peercenter.net/learning/intro/Chapter_EPA_Intro.cfm)

## LRC CORNER



The eleven PEER Local Resource Centers (LRCs), located around the country, promote EMS competence and

encourage government-to-government sharing and mentoring between public sector organizations. Each Center supplies communities with technical expertise, field-tested tools, and support for EMS implementation. For more information, visit: [www.peercenter.net/whocanhelp/lrc.cfm](http://www.peercenter.net/whocanhelp/lrc.cfm)

### Purdue University's Clean Manufacturing Technology Institute (CMTI)

Purdue University's [Clean Manufacturing Technology Institute \(CMTI\)](#) is currently managing three EMS development and implementation programs for public organizations in their region.



1) CMTI is assisting twelve Indiana municipal wastewater treatment facilities develop an Environmental Management System (EMS) through a grant from the U. S. EPA Office of Water and

administrated by the [Global Environment & Technology Foundation \(GETF\)](#). The twelve municipalities, ranging from a population of 1,000 to 252,000, are Gary, South Bend, Lafayette, West Lafayette, Warsaw, Michigan City, Fort Wayne, Fishers, Noblesville, Marion, Mishawaka and Wolcott. The assistance consists of six workshops along with site visits. Once the EMS is fully developed, the entities are eligible to join the [Indiana Environmental Stewardship Program \(ESP\)](#), an Indiana Department of Environmental Management incentive program based on EPA's [National Environmental Performance Track](#).

2) The [Metropolitan Water Reclamation District of Greater Chicago \(MWRDGC\)](#) has contracted with CMTI to develop an EMS for two of their water reclamation plants. The two year program consists of eight EMS workshops, three site visits to assist in the development of the EMS and an EMS audit once the EMS is completed. MWRDGC will seek ISO 14001 certification of the EMS and plans to implement an EMS at the other five water reclamation plants after full implementation at the first two facilities.

3) The [City of Winona, Minnesota](#) has partnered with the County of Winona, Winona State University, Winona area Public Schools, Minnesota State College Southeast Technical, St. Mary's University of Minnesota, and Cotter High School, all located in Winona, to form [Sustain Winona](#). Sustain Winona has contracted with CMTI to develop an EMS focusing on reducing Winona's carbon footprint. Sustain Winona will seek ISO 14001 certification once the EMS is fully

implemented and CMTI will assist in obtaining this certification. For more information regarding Sustain Winona, go to [www.sustainwinona.org](http://www.sustainwinona.org).

CMTI will be offering ISO 14001:2004 Lead Auditor Training at Purdue University in West Lafayette, Indiana from September 15-18, 2008. Also, look for the next in a series of Innovative Energy Management Workshops in West Lafayette on October 29, 2008 at Purdue University's Stewart Center. For more information on the ISO 14001 auditor training and to register, [click here](#), and for more information on the Workshop on Innovative Energy Management, [click here](#).

To learn more about CMTI, visit their website at <https://engineering.purdue.edu/CMTI/> or contact Dr. Lynn Corson at [corson@purdue.edu](mailto:corson@purdue.edu).

#### Georgia Tech Enterprise Innovation Institute



The [Georgia Tech Enterprise Innovation Institute](#) is offering an online e-course titled "Exploring ISO 14001." The course will explore the intent of the clauses of ISO 14001, so that an informed decision can be made by an organization on EMS implementation and 3<sup>rd</sup> party registration.

The course will help your organization learn to:

- Meet the requirements of ISO 14001
- Identify and manage your environmental footprint
- Use the Plan-Do-Check-Act model
- Plan key steps for implementation
- Determine how you will benefit from registration

The course will be offered from **June 1, 2008 through May 31, 2009**. To learn more about the course and to register, [click here](#).

The Georgia Tech Enterprise Innovation Institute is also offering training for Internal Auditing for ISO 14001 Environmental Management Systems. The training will be offered on September 17<sup>th</sup> and 18<sup>th</sup>, 2008 at the [Georgia Tech Global Learning Center](#) in Atlanta. For more information about this training and to register, [click here](#).

To learn more about the Georgia Tech Enterprise Innovation Institute, visit their website at [www.innovate.gatech.edu](http://www.innovate.gatech.edu), or contact Deann Desai at [deann.desai@gatech.edu](mailto:deann.desai@gatech.edu).

### Sustainable Earth Initiative



Sue Sakaki of the [Sustainable Earth Initiative \(SEI\)](#) was asked to speak on "EMS

Innovations in the United States" in May 2008 at the National EMS Forum in Australia, sponsored by [Environmental Management Systems Association \(EMSA\)](#) and the New South Wales Department of Primary Industries. To view Sue Sakaki's paper on EMS innovation, [click here](#).

To learn more about the Sustainable Earth Initiative, visit their website at <http://www.sustainableearthinitiative.org/>, or contact Sue Sakaki at [sue@sustainableearthinitiative.org](mailto:sue@sustainableearthinitiative.org).

### Kansas State University - Pollution Prevention Institute



**Pollution Prevention Institute**

Kansas State University

The [Pollution Prevention Institute \(PPI\) at Kansas State University](#) offers a series of Kansas City "Lunch and Learns" at the Johnson County Sunset Drive building located at 11811 South Sunset Drive, Olathe, Kansas. Attend the remaining summer "lunch and learn" on September 10, 2008. The

topic and discussion will be on Energy Efficiency for Businesses.

To register, [click here](#), or call the Small Business Environmental Assistance Program at 1-800-578-8898 for more information.

The Kansas State University Pollution Prevention Institute (PPI) provides free, confidential, and technical environmental assistance. PPI houses the [Kansas Small Business Environmental Assistance Program \(SBEAP\)](#).



For more information on SBEAP, visit their website at <http://www.sbeap.org>, or contact Barb Johnson at [barblj@ksu.edu](mailto:barblj@ksu.edu).

### EMS SECTOR CORNER

#### Ports Flight III Announcement



The [American Association of Port Authorities \(AAPA\)](#) and the [Global Environment & Technology Foundation \(GETF\)](#) recently announced five organizations

that will participate in the third round of a 1½-year training program that assists seaport authorities to develop and maintain state-of-the-art environmental management systems.

Participating in the assistance project's third round, which begins in October, are: **Georgia Ports Authority, South Carolina State Ports Authority, Port of San Diego, Port of Long Beach, and California United Terminals**. All participants in this round will be working to create environmental management systems. To read the entire Announcement, visit the PEER Center website (<http://www.peercenter.net/>) and click on the article in "What's New".

## Campus Consortium for Environmental Excellence



The Campus Consortium for Environmental Excellence (C2E2) has a mission to support the continued improvement of environmental performance in

higher education through environmental professional networking, information exchange, the development of professional resources and tools, and the advancement of innovative regulatory models. As part of this mission, C2E2 hosts monthly conference calls to discuss and review "model practices" in certain topical areas. [Click here](#) to be included on the list of "invited" guests or to submit "model practice" information in preparation for a discussion.

A C2E2 member workgroup assists in selecting topics, hosting calls, participating in monthly calls, and reviewing the "model practices" included on the [www.campuserc.org](http://www.campuserc.org) site. For more information about the C2E2 or this service, contact Tom Balf at [tbalf@c2e2.org](mailto:tbalf@c2e2.org).

To register for any of the calls below, [click here](#).

### 2008 SCHEDULE

- ✓ August 15 Environmental Management Systems
- ✓ September 19 Green Building Design Standards
- ✓ October 17 Integration of Sustainability into Master Planning
- ✓ November 21 Financing Environmental Improvements
- ✓ December 19 Management of Construction & Demolition Waste

For more information on the Campus Consortium for Environmental Excellence (C2E2), visit their website at <http://www.c2e2.org/index.htm>.

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"We are honored to be recognized as an international leader in environmental stewardship", said Mayor Leppert. "The enormity of the challenge proves that going green means more to us than just achieving the minimum standards."

"The EPA has an important role to support and promote the implementation of Environmental Management Systems," said Johnson. "In order to earn an ISO 14001:2004 certification, municipalities must establish a framework that seeks continuous improvement through a system of strategic planning, goal setting, monitoring, corrective action, and reporting," he said.

Dallas City Manager Mary K. Suhm noted that the City has been concerned about environmental issues for many years. "We began to incorporate sound environmental practices in the 1990s when we decided to purchase a fleet of alternative fuel vehicles," Suhm said. "Our first green building, the Jack Evans Police Headquarters, was our first LEED-certified structure. Now, with our EMS in place, our goal is for all Dallas residents to become active participants to reduce the environmental footprint on our City," she said.

The City's environmental achievements include:

- ✓ Running 41 percent of the City's fleets, nearly 2000 cars and trucks, with alternative fuel.
- ✓ Ranking fifth of the 50 largest cities in the nation for its alternative fueled city fleets by [SustainLane](#), an online media company empowering people, businesses, and governments to go green.
- ✓ Being the first city in the nation to partner with the EPA on [Sustainable Skylines](#), a pilot program focusing on improving air quality by reducing emissions.
- ✓ Being the first municipal government in the region to install ozone monitors before the

Clean Air Act mandated such monitoring.

- ✓ Being recognized by the EPA for its efforts to reduce ground-level ozone.
- ✓ Purchasing 40 percent of municipal power in 2008 from renewable energy sources, primarily wind.
- ✓ Implementing the "Too Good To Throw Away" recycling program. Residents have doubled their recycling pounds from 9,680 tons in FY 2005-06 to a projected 21,500 tons for FY 2006-07.
- ✓ The City expects to complete more than 25 green facilities between by 2010, including ten libraries, seven police and fire stations, one cultural center, three recreation centers, three service centers, and a homeless assistance center.
- ✓ Being the first city in the nation to launch a website for environmental stewardship. For more information, visit the site at [www.greendallas.net](http://www.greendallas.net).

EPA Administrator Johnson and Regional Administrator Greene have recognized Dallas, Texas as an EMS model. To review their comments on the City's efforts, [click here](#). In addition, to review the full press release from [EPA Region 6](#) on the Dallas ISO 14001 Certification, [click here](#).

## City of Dallas accepted into the EPA Performance Track Program

The City of Dallas has also just been accepted for EPA's National Environmental Performance Track program. Dallas and Scottsdale, AZ are the only city-wide municipalities currently in this prestigious program. As part of their participation in the Performance Track program the City has achieved the following accomplishments and committed to the following goals:

### Past Achievements

- ✓ Reduced total (non-transportation) energy use by 102,520,000 kWhs (13%) by performance contracting and changing traffic lights to Light

Emitting Diode (LED) fixtures. Also, 40% of the City's power comes from renewable energy.

- ✓ Reduced total water use city-wide by 8,682,876,000 gallons (9%) through increased media coverage and public outreach, as well as increased rebate and incentive programs for public water conservation.

### Future Goals

- Further reduce total water use at City facilities by 49,285,600 gallons (5%) by expanding the water recycling program, continuing the leak detection and repair program, and upgrading irrigation systems and landscapes. In addition to these, the City will utilize an internal outreach program to improve conservation awareness.
- Further reduce total (non-transportation) energy use by 322,645 MMBTUs (13%) through energy performance contracting, using future savings from increased energy efficiency and energy conservation measures to finance structural upgrades that, over time, will save energy and thus save money. In addition, the City requires all municipal facilities over 10,000 square feet to be constructed to meet LEED standards.
- Reduce total (transportation) energy use by 33,127 MMBTUs (4%) through the use of cleaner fuels and cleaner vehicles and continue to grow its fleet of hybrid and alternative fuel vehicles.
- Increase land and habitat conservation by 61 acres (10%) through implementation of the City's Trail Master Plan. The Plan calls for 230 miles of multi-use hike and bike trails at full build out. There are currently 8 miles of trails in design and funding for an additional 10 more miles of new trails. In addition, the City will continue to acquire land and place land aside for park and trail development.



For more information on the Dallas, Texas EMS, [click here](#). Contact Eric Griffin ([eric.griffin@dallascityhall.com](mailto:eric.griffin@dallascityhall.com)) at the Dallas Office of Environmental Quality for more information on the City's EMS goals.

*This [PEER Center EMS](#) Newsletter is developed quarterly under a Cooperative Agreement between the U.S. Environmental Protection Agency and the [Global Environment & Technology Foundation](#).*

*To submit an idea to EMS News, or to join the list serve to receive a quarterly copy, please contact Jeff DuTeau at 703-379-2713 or [jduteau@getf.org](mailto:jduteau@getf.org).*