



**AIR & WASTE MANAGEMENT
ASSOCIATION**
SINCE 1907

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News from the Indiana Chapter of the
Air & Waste Management
Association

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Indiana NEWS

New IDEM Waste Inspection Initiative Impacts Waste Generators

*Kristin Belcredi, P.E.
V.P., Engineering Services
Keramida Environmental, Inc.*

IDEM has begun a new inspection initiative in its Office of Land Quality. The Waste Classification Inspection Initiative has a goal of inspecting any party that has ever obtained a waste classification. The number of facilities or waste generators covered by this initiative is very large. The list will include facilities that have waste classifications for disposal at restricted waste sites, solid waste landfills and/or for beneficial reuse. IDEM has not communicated any particular prioritization of those to be inspected. Facilities that are currently in the process of being recertified may also be first on the list. However, it is possible that an emphasis will be placed on those facilities that generate the most waste. The inspections will typically include a walk-through of the operational areas and waste management areas. In addition, the agency is also visiting the landfill where the waste is being disposed.

The main subjects of interest are related to waste generation and management. In addition, the inspector may also do a formal multi-media screening which would review water, air, and community right-to-know issues as well. The

McIntosh, Peterson Among Speakers at October 24 East Central Section Annual Technical Meeting and Workshop

14 Speakers Will Cover Air, Waste, Environmental Justice and Regulatory Issues

*For a brochure, including a complete agenda, go to:
www.inawma.com*

The Indiana Chapter is sponsoring the East Central Section's Annual Technical Meeting and Workshop, to be held in Indianapolis on October 24. Speakers will cover a variety of environmental issues, including:

- Keynote Presentation on Issues Related to Global Warming and the Kyoto Protocol – U.S. Rep. David McIntosh (R-IN) Ret.
- Luncheon Presentation on City Government in the Role of a Regulated Entity – Mayor Bart Peterson, City of Indianapolis, Invited

Other Presentations:

- Continuous Emissions Monitoring
- Managing Process By-Products
- Title V Compliance Certifications
- Flexible Air Permitting Under EPA's P4 Program
- Environmental Justice Programs

Look inside for the registration form and all details on Page 3.

continued on page 5

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Indiana Chapter Assists

Project LEAP



The Indiana Chapter of AWMA has donated eight Education Resource Guides to IDEM's Project LEAP program. The Learning and Environmental Awareness Partnership (Project LEAP) is an IDEM environmental education program that works with school districts throughout the state to provide educational materials, activities, and curricula to Indiana students and teachers primarily from grades 3 through 8. "The Education Resource Guides will provide excellent material for teachers to use in the classroom," said Jerri Curless, Project LEAP coordinator for IDEM. "We have a lending library where we will loan the guides to educators to enhance their environmental education activities."

The Indiana Chapter wanted Project LEAP to have the 8 guides (4 of the guides address air issues and 4 of the guides address non-point pollution sources). The guides focus on different age levels. The guides available for use are grades Kindergarten through 2, grades 3 through 5, grades 6 through 8, and grades 9 through 12. If interested in borrowing one of the guides or learning more about Project LEAP, please contact Jerri Curless at (317) 233-8180 or at frogtalk@dem.state.in.us. Also, the Indiana Chapter has a set of Education Resource Guides available for borrowing. If interested, please contact Cheryl Carlson, City of Indianapolis Office of Environmental Services, at (317)327-2234 or at c Carlson@indygov.org.

Our *thanks* to the Chapter Corporate Sponsors!!

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Contact a Chapter officer for information on adding your name to our list of sponsors!

Indiana Chapter Sponsors the East Central Section Annual Technical Meeting and Workshop

PLACE: Ramada Inn at the Airport
Indianapolis, Indiana
(For a special room rate of \$85, call the Ramada Inn at (317) 244-3361 and mention the A&WMA meeting)

DATE: October 24, 2001

TIME: 8:45 am – 4:00 pm (lunch included with paid registration)
4:00 – 5:30 pm Reception



COST: \$90 Air & Waste Management Association members
\$100 Non-members
\$75 Government employees
\$25 Full-time students

Please add \$25.00 for registrations received after October 19.

COMPANY: _____

ADDRESS: _____

CITY, STATE, ZIP: _____

PHONE: _____

E-MAIL ADDRESS: _____

Send Registration Form and Payment to:

Jason Simon, Treasurer, East Central Section, A&WMA
c/o RAPCA
451 W. Third Street
Dayton, OH 45422-1280
or fax registration form to Jason's attention at (937) 225 - 3486

Please make checks payable to East Central Section, A&WMA

**For additional conference information, please contact
Ann McIver at (317) 693-8851 or amciver@cgu.com.**

Utilization of Total Particulate Mass and Multi-Metals Continuous Emission Monitors on Hazardous Waste Incinerators

*Richard H. Lambert
Eli Lilly and Company*

Eli Lilly and Company ("Lilly") has been actively involved with the development of total particulate mass continuous emission monitoring systems (PM CEMS) and multi-metals continuous emission monitoring (MM CEMS) for use on hazardous waste incinerators.

In 1999, Lilly published the results of a two phase demonstration project on the use of commercially available PM CEMS. This study, funded by Lilly, the Coalition for Responsible Waste Incineration, and the Chemical Manufacturers Association (now the American Chemistry Council or ACC), documented the performance and reliability of commercially available PM CEMS in a moisture saturated flue gas over the period of approximately one year (Bastian, R.E., Particulate Matter CEMS Test, Clinton Liquids Incinerator TO4, 1998 and Lambert R.H., Addendum to September 1998 PM CEMS Project Report, Phase II Test, April 1999.). Results of this test were published and shared at several levels within the US EPA Office of Solid Waste and the US EPA Office of Air Quality and Planning Standards. As a result of this effort, Lilly has incorporated the PM CEMS at several incinerators for use as process monitors.

A Lilly manufacturing site in Ireland employs two PM CEMS manufactured by Sigrist. These instruments are used as both process and compliance indicators. The use of the PM CEMS at Lilly-Ireland is essential in understanding how to effectively operate a Hydro-sonic system® wet scrubber in order to meet a PM limit of 10 mg/dscm. The use of PM CEMS as a compliance indicator has negated the need for quarterly manual total particulate testing.

At a Lilly site in Lafayette, Indiana, a Sigrist PM CEMS is being tested for use as a process indicator. The Lafayette facility is a flexible manufacturing site that generates a wide variety of waste streams. The Sigrist PM CEMS is a valuable tool in understanding the total particulate mass impact of various waste streams treated in the site's liquid hazardous waste incinerator. Future PM CEMS development plans include the continued use of the instrument for process control and the generation of data for the potential use of the monitor as an indicator of compliance.

In addition to the PM CEMS work, Lilly has teamed with Cooper Environmental Services to develop and implement a multi-metals CEMS for use on hazardous waste incinerators. This technology is intended to be used as a process indicator for metals emissions and is expected to be used as an indicator of compliance for metals emissions. Installation of the metals monitor at Lafayette will occur in 2Q of 2001 with testing continuing through 2002.

This work will be discussed by Rick Lambert, Eli Lilly and Company, at the October 24, 2001 East Central AWMA meeting.

Specialty Conferences

Regional Haze & Global Radiation Balance Conference

October 2-5, 2001
Bend, OR

Fundamentals of New Source Review

Orlando, FL
October 11-12, 2001

American Bar Association Satellite Seminar: A 2001 Update-Clean Air Act

October 30, 2001

Canadian Clean Air Policy Conference

Ottawa, Ontario, Canada
November 27-29, 2001

Winter Conference 2002: Technologies for Current Energy Policies: Meeting Energy Demands with Climate Friendly Technologies

San Francisco, CA
February 11-12, 2002

For further information on the Specialty Conferences or Workshops, visit the A&WMA's homepage at <http://www.awma.org>.

New IDEM Waste Inspection Initiative, *continued from Page 1*

results of this screening will determine if a more thorough multi-media inspection during a separate visit is warranted.

Normally, inspections will be announced visits. To prepare for the inspection, it is recommended that both the physical appearance of the facility and written environmental programs and files be reviewed internally by the appropriate people.

General waste classification items reviewed during the first inspections are:

- What processes generate waste and what is the point of generation?
- Were proper methods used to select sampling points for determining hazardous waste or industrial waste classifications?
- Do the hazardous waste determinations and waste classifications reflect current operations at the facility in terms of generation rates, points of generation, and methods of management and disposal?
- Are all waste classifications still effective?
- Are only wastes permitted by the waste classification disposed at the landfill?

Regarding other waste issues:

- How and where are used oil, oil dry, oil filters, universal waste, empty drums and general trash managed, stored and disposed?
- Has proper manifesting been completed for all wastes required?
- How do you assure that wastes are not commingled or disposed of improperly?
- Has the facility fulfilled all its written program and training obligations?

Other questions regarding stormwater pollution prevention, air permitting, water permitting, spill response, Tier II's, Form R's, SPCC, etc. may be asked as part of the multi-media screen.

At the end of the inspection, the facility will receive a cursory report verifying the inspection was performed. A written report stating the findings will follow within 45 days. If the multi-media screening process reveals issues of concern, a second more involved multi-media inspection may be performed at a later date. The findings of the Waste Classification Inspection have the same weight as any other compliance inspection and can result in violations and fines.

A facility may prepare for the inspection by doing a mock walk-through audit of the facility with someone familiar with pertinent regulations and similar operations to advise on the appearance of the facility and the completeness and content of paperwork. In addition, depending on the complexity of the waste classifications, the facility may want to arrange in advance the availability during the inspection of laboratories or consultants involved with the current waste classifications.

Help Grow Your Indiana Chapter of the A&WMA

The Indiana Chapter is always on the lookout for new members. Eugene Paik, the new chair of the Membership Committee, has taken on the task of increasing chapter membership as we draw closer to 2004 when Indiana Chapter hosts the A&WMA Annual meeting in Indianapolis. If you have ideas for increasing membership, please contact Eugene at (317) 733-2637 x304 or epaik@corner-enviro.com.

Calendar of Events

October 24, 2001 East Central Section
A&WMA Annual Mtg.
Indpls. Airport Ramada

December 2001 Winter Technical Meeting
Date and Time
to be Announced

* June 20-24, 2004 101st Annual A&WMA
International Conference

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