



# Environmental Assistance Bulletin

Jennifer M. Granholm, Governor  
Steven E. Chester, Director

Michigan Department of  
Environmental Quality  
[www.michigan.gov/deq](http://www.michigan.gov/deq)  
Office of Pollution Prevention and  
Compliance Assistance (OPPCA)  
PO Box 30457  
Lansing, MI 48909-957

Environmental Assistance Center  
800-662-9278  
[deq-ead-env-assist@michigan.gov](mailto:deq-ead-env-assist@michigan.gov)

Darlene Harris, Editor  
517-373-0318  
[harrisd@michigan.gov](mailto:harrisd@michigan.gov)

Circulation Requests: contact Darlene  
Harris at 517-373-0318,  
[harrisd@michigan.gov](mailto:harrisd@michigan.gov) or visit  
[www.michigan.gov/deq](http://www.michigan.gov/deq), select News &  
Events, Bulletins & Newsletters,  
Environmental Listserv Subscriptions and  
follow the directions.

## NOVEMBER CONTENT

Developing a Sustainable Southeast Michigan Forum .....	1
1 <sup>ST</sup> Annual Michigan Green Chemistry Governor’s Awards and Conference .....	1
The Michigan Green Healthcare Conference.....	2
New Guidance Available on Fluorescent Light Drum-Top Bulb Crushers.....	3
Draft Changes to Design for the Environment Criteria for the SaferCleaning Products Program.....	3
Compliance Assistance Corner: NESHAP .....	4
ITRC No-Cost Training Courses.....	5
Events.....	6

## “DEVELOPING A SUSTAINABLE SOUTHEAST MICHIGAN”

The Southeast Michigan Sustainable Businesses Forum (SMSBF) is an organization of businesses, non-profits, institutions and government with the vision of having a profound and positive impact on the growth and prosperity of Southeast Michigan through sustainable business practices. In partnership with the Michigan Department of Environmental Quality (DEQ), the association offers monthly programming focusing on local entrepreneurial innovations and economic development initiatives that promote sustainable practices. The programming explores the latest developments, meeting new business leaders and learning how these activities are helping to create new value and wealth leading to a new economy in Southeast Michigan.



This year, the programming series was themed around "Developing a Sustainable Southeast Michigan." Working with the DEQ, the organization held educational meetings to provide insights into how green policy, practices, and technology can advance small businesses. Discussions included carbon offset programs; the growing industry of green construction; building re-use; alternative energy including solar, wind and geothermal; Detroit’s Green Task Force; trends in Federal and State energy law; energy related tax credits and rebates; and sustainable food. Featured speakers were from universities, private sector, and public sector including Honorable John D. Dingell, Todd Parker of Delta Institute, Jacob Corvidae of Warm Training Center, Rick Bowers, Attorney at Law and Aid to City of Detroit Council President Kenneth Cockrel Jr., and Brandon Hofmeister, Special Counsel to the Governor’s office on Energy and Climate.

More information about the organization and/or meetings can be found at [www.smsbf.org](http://www.smsbf.org) or [www.michigan.gov/deqp2initiatives](http://www.michigan.gov/deqp2initiatives), select “Sustainability”. You may also contact **C. J. Panagiotides** at **586-753-3725** or [panagiotidesc@michigan.gov](mailto:panagiotidesc@michigan.gov).

## 1st ANNUAL MICHIGAN GREEN CHEMISTRY GOVERNOR’S AWARDS AND CONFERENCE

In October 2006, Governor Jennifer M. Granholm issued Executive Directive No. 2006-6, “Promotion of Green Chemistry for Sustainable Economic Development and Protection of Public Health” that established state policy encouraging the use of safer, less toxic, or non-toxic chemical alternatives to hazardous substances and the research, development, and implementation of green chemistry in Michigan. The DEQ established the Michigan Green Chemistry Roundtable, comprised of experts representing business, academia,

and environmental interests groups. The Roundtable played an active role in the development of the Awards Program in order to promote excellence in innovation, economic development and public health risk reduction by businesses and institutions.

The 2009 Award Winners were:

<b>Business</b>	<b>Academic</b>	<b>Education</b>	<b>Public</b>	<b>Student</b>
PPG Industries, Inc. Ray Schappert, PhD Dow AgroSciences	Yinlun Huang, PhD Wayne State University Phillip E. Savage, PhD, PE University of Michigan	Chemistry Department, Grand Valley State University	Ecology Center Mike Garfield, Director Tracey Easthope, Environmental Health Director	Nathan Craft, Chemistry Major, Grand Valley State University

The conference brought leading experts in the field of technology, chemistry, engineering, and business process improvement to inspire and inform Michigan business leaders to develop an infrastructure for advancing and sustaining green products and processes in the State of Michigan. In addition to 13 individual breakout sessions, Dr. Amy Cannon presented a morning keynote on "What is Green Chemistry, and What it is Not!" In the afternoon Dr. John Warner discussed the opportunities and provided actionable ideas for Michigan organizations.

For more information about the Michigan Green Chemistry Program, visit [www.michigan.gov/deqgreenchemistry](http://www.michigan.gov/deqgreenchemistry)

## THE MICHIGAN GREEN HEALTHCARE CONFERENCE

The DEQ and the Michigan Health and Hospital Association sponsored the state's second "green" conference for health-care providers, on October 22, 2009, at the Veteran's Affairs (VA) Ann Arbor Healthcare System.

The Michigan Green Healthcare Conference featured a day of presentations and discussions on sustainability, federal stimulus money, energy, pharmaceutical waste, and green buildings. Posters were displayed demonstrating green practices and projects already in place, and participants heard about case studies and success stories from healthcare facilities already practicing "green" healthcare. The day long event also featured a tour of the VA Ann Arbor Healthcare System. Tour stops included the VA Ann Arbor's wind turbine, solar water heating system, and parking garage lit with LED lighting.

The conference was geared towards individuals working in the healthcare field and those affiliated with engineering and environmental services, or anyone who is interest in reducing the ecological footprint of their hospital.

For more information on Healthcare Pollution Prevention, visit [www.michigan.gov/deqp2partnerships](http://www.michigan.gov/deqp2partnerships), select Healthcare P2.

## NEW GUIDANCE AVAILABLE ON FLOURESCENT LIGHT DRUM-TOP BULB CRUSHERS

Did you know that the operators of those portable units that crush fluorescent light tubes need to apply for and receive an approved Air Permit to Install? Apparently not many facilities are aware of that requirement either because the Air Quality Division (AQD) has only received a couple of applications to date.

The Office of Pollution Prevention and Compliance Assistance (OPPCA) recently mailed out a copy of the new "Fluorescent Light Drum-Top Bulb Crusher Fact Sheet" to the manufacturers and distributors of drum-top bulb crushers. They are being asked to share the fact sheet with their customers. We believe this outreach will increase compliance with the Permit to Install and waste disposal requirements.

The use of energy-efficient, fluorescent lights results in environmental benefits by reducing energy consumption. Mercury, a toxic metal, is an essential component of all currently manufactured fluorescent lights. The DEQ strongly encourages the safe recycling of all spent fluorescent lights. When a company chooses to crush their spent lights for recycling, they must apply for and obtain a Permit to Install (PTI) prior to installing and operating a bulb crusher. Also, there are waste management requirements associated with managing fluorescent light bulbs and they are noted in the new fact sheet.

An electronic version of the fact sheet is available at [www.michigan.gov/deqair](http://www.michigan.gov/deqair), select "Clean Air Assistance" and then "Fluorescent Light Bulb Crushers" under "Compliance Assistance." The direct link is [www.michigan.gov/documents/deq/deq-opcca-Fluorescent\\_List\\_Drum-Top\\_Bulb\\_Crushers\\_294339\\_7.pdf](http://www.michigan.gov/documents/deq/deq-opcca-Fluorescent_List_Drum-Top_Bulb_Crushers_294339_7.pdf)

If you have any questions after reading the fact sheet, please contact the Michigan Department of Environmental Quality's **Environmental Assistance Center** at **1-800-662-9278**.

## DRAFT CHANGES TO DESIGN FOR THE ENVIRONMENT (DfE) CRITERIA FOR THE SAFER CLEANING PRODUCTS PROGRAM

EPA's Office of Pollution Prevention and Toxics (OPPT) is soliciting comments on several draft changes to its criteria for participation in the DfE Safer Product Labeling Program. Over 1500 consumer and institutional products have been recognized under this program, which has approximately 200 partners.

OPPT is proposing changes to its criteria for cleaning products in three areas:

1. Revising definitions of terms that describe common business practices for manufacture of DfE-labeled products;
2. Adopting new auditing provisions to ensure compliance with the applicable criteria; and
3. Expanding eligibility for participation in the program to partners who use certain innovative dispensing systems.

Comments are due by November 30, 2009, and should be designated by docket identification number EPA-HQ-OPPT-2009-0829. Comments may be submitted electronically through the Federal eRulemaking Portal ([www.regulations.gov](http://www.regulations.gov)); by mail; or hand-delivered to the OPPT Document Control Office.

Please refer to the following link for more detailed discussion of the proposed changes to the DfE Safer Cleaning Products criteria, and procedures for submitting comments to EPA:  
[www.epa.gov/dfc/enhancements\\_to\\_dfc\\_criteria.html](http://www.epa.gov/dfc/enhancements_to_dfc_criteria.html).

## COMPLIANCE ASSISTANCE CORNER

**Question:** I am a small business owner and was recently told that my spray painting operation may be subject to a NESHAP. What is a NESHAP and where can I get more information about it?

**Answer:** The NESHAP is the acronym for the National Emission Standard for Hazardous Air Pollutants, and it is a federal regulation that affects businesses.

One of the goals of the Federal Clean Air Act is to reduce the emission of hazardous air pollutants (HAPs). The reduction of HAPs is achieved through the promulgation of emission standards for categories of sources that emit HAPs. The U.S. Environmental Protection Agency (U.S. EPA) identified 30 HAPs that pose the greatest threat to public health in urban areas. U.S. EPA has identified categories of area sources (small emitters of HAPs) that account for 90% of the releases of the 30 urban HAPs and are now promulgating standards to reduce the emissions of the urban HAPs. These federal standards are referred to as the National Emission Standard for Hazardous Air Pollutants or NESHAP.

The *NESHAP for Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources (Rule)* was proposed in the Federal Register on September 17, 2007 and the final Rule was promulgated on January 9, 2008. The Rule regulates three activities:

- 1) Paint stripping using methylene chloride.
- 2) Surface coating of motor vehicles and mobile equipment.
- 3) Surface coating of miscellaneous metal and/or plastic parts.

The final Rule is found in the Federal Register notice published January 9, 2008 (pages 1760-1768). The Rule can be found at [www.epa.gov/fedrgstr/EPA-AIR/2008/January-Day-09/a24718.pdf](http://www.epa.gov/fedrgstr/EPA-AIR/2008/January-Day-09/a24718.pdf). The notice will be published in Title 40, Part 63, Subpart HHHHHH of the Code of Federal Regulation (40 CFR 63).

The DEQ has developed fact sheets, and other guidance material to assist businesses in understanding and complying with the NESHAP. For further information, please go to [www.michigan.gov/degenassistance](http://www.michigan.gov/degenassistance). Scroll down to and select "Clean Air Assistance" under "Related Links," and then select "Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources" under "Federal Regulations."

If you have additional questions, please contact the **Environmental Assistance Program (EAP)** at **1-800-662-9278**.

*Compliance assistance staff are experienced department personnel in OPPCA that specialize in another environmental program division. Staff provide one-on-one and referral assistance on calls received by the Environmental Assistance Center. If you have any environmental question on which you need assistance, call 1-800-662-9278.*

## ITRC NO-COST TRAINING COURSES

The Interstate Technology & Regulatory Council (ITRC) offers a wide variety of guidance documents and training courses on innovative environmental technologies and approaches specific to the areas of site characterization, monitoring and remediation as well as other environmental topics. The ITRC is a state-led coalition working together with industry and stakeholders to achieve regulatory acceptance of environmental technologies. The ITRC is a program of the Environmental Research Institute of the States (ERIS), a nonprofit corporation operating in support of the Environmental Council of the States (ECOS). Michigan is a member state.

Summarized below is the October and November 2009 schedule of upcoming no-cost Internet-based training courses provided by the ITRC. A complete list of course offerings can be found at [www.itrcweb.org](http://www.itrcweb.org).

Upcoming Course Dates (registration opens 4-6 weeks in advance):

October 6	Use of Risk Assessment in Management of Contaminated Sites 2:00 p.m. - 4:15 p.m. EASTERN TIME
October 15	Performance-based Environmental Management 11:00 a.m. - 1:15 p.m. EASTERN TIME
October 20	An Improved Understanding of LNAPL Behavior in the Subsurface 2:00 p.m. - 4:15 p.m. EASTERN TIME
October 22	LNAPL Characterization and Recoverability 11:00 a.m. - 1:15 p.m. EASTERN TIME
November 3	Quality Consideration for Munitions Response 2:00 p.m. - 4:15 p.m. EASTERN TIME
November 5	Enhanced Attenuation of Chlorinated Organics: A Site Management Tool 11:00 a.m. - 1:00 p.m. EASTERN TIME
November 10	Phytotechnologies 2:00 p.m. - 4:15 p.m. EASTERN TIME
November 19	Survey of Munitions Response Technologies 11:00 a.m. - 1:00 p.m. EASTERN TIME

Note: All dates/times are subject to change – check [www.itrcweb.org](http://www.itrcweb.org) for the most up-to-date information.

Registration: <http://clu-in.org/studio/seminar.cfm> or [www.itrcweb.org](http://www.itrcweb.org) - click on "Internet-based Training" Course registration opens 4-6 weeks prior to each course offering.

Associated Guidance Documents: Available from [www.itrcweb.org](http://www.itrcweb.org). You can download the ITRC guidance documents that are the basis for the training materials - click on "Guidance Documents".

Archived Training Events: Archives of previous ITRC Internet training events are available for your convenience. Seminars are available for download at: <http://clu-in.org/live/archive.cfm?sort=title#itrc>

Courses are listed alphabetically (you may need to scroll down to find the class of interest).

For additional information, please contact Michigan's State Point of Contact (POC) **Joe Rogers** at [rogersj5@michigan.gov](mailto:rogersj5@michigan.gov) or 517-373-9897.

## EVENTS

**NOVEMBER 4, 2009, 8:30 a.m.–12:00 p.m.**  
**AIR PERMIT APPLICATION WORKSHOP FOR FIRST TIME APPLICANTS,**  
**Constitution Hall, Lansing, Michigan.**

For most first-time applicants, completing the Permit to Install application is a daunting task. However, submitting a complete and timely application can be more manageable if you know what's expected. The Michigan Department of Environmental Quality is offering this workshop designed to give information on how to submit a complete permit application. Since this workshop is geared to first-time applicants, a significant portion of the session is devoted to your specific application. Air Quality Division permit engineers will be available to discuss your permit application with you one-on-one. To take full advantage of this time with the permit engineer, it is recommended you bring detailed information about your project with you to the session. This training is designed for first-time air permit applicants who need help completing their permit application; however, those who have applied before and need a refresher are welcome to attend as well. Online registration is available on the Web at [www.michigan.gov/degworkshops](http://www.michigan.gov/degworkshops), click on "Upcoming DEQ Workshops".

Registration Fee: \$25, which includes parking in the Ellis Parking Lot on the east side of Constitution Hall and training manual.

Information Contact: **James Ostrowski**, Office of Pollution Prevention and Compliance Assistance, **517-241-8057**, or email [ostrowskij2@michigan.gov](mailto:ostrowskij2@michigan.gov).

Registration Information: **Environmental Assistance Center**, **800-662-9278**, or email [deg-ead-env-assist@michigan.gov](mailto:deg-ead-env-assist@michigan.gov).

**NOVEMBER 5, 2009**  
**ANNUAL FALL ENVIRONMENTAL CONFERENCE, LANSING COMMUNITY COLLEGE, LANSING,**  
**MICHIGAN.**

Co-sponsored by the Environmental Law Section of the State Bar of Michigan, and the West Michigan and East Michigan Chapters of the Air & Waste Management Association, the fall program will feature discussions on timely environmental topics including revisions to Part 201, claiming carbon credits, revisions to the solid waste rules, changes to the MAERS program, and the Kalamazoo River Superfund site.

Information Contact: **Kurt Kissling**, Pepper Hamilton LPP, **313-393-7313**, or [www.wmawma.org](http://www.wmawma.org).

**DECEMBER 3, 2009**  
**WATER AND WASTEWATER CONSTRUCTION PERMITS WORKSHOP, Lansing Community College,**  
**West Campus, Lansing.**

If you're interested in improving your turn-around time for obtaining Act 399 Water System Construction Permits (Michigan Safe Drinking Water Act) and Part 41, Wastewater System Construction Permits, of Act 451 (Natural Resources and Environmental Protection Act), the Michigan Department of Environmental Quality (DEQ) can help! This one-day seminar will show communities, developers, and consulting firms how to ensure the quickest review and permitting of projects. Along with reviewing checklists and common problems that hold up processing of applications, the DEQ will review its Expedited process along with the existing Streamline process for water main and sewer main construction permitting to provide for even faster application reviews and permit issuances. Anyone involved in water and sewer construction permitting should attend. Online registration is available on the Web at [www.michigan.gov/degworkshops](http://www.michigan.gov/degworkshops), click on "Upcoming DEQ Workshops".

Registration Fee: \$125, which includes continental breakfast, lunch, and workshop materials.  
Information Contact: **Pat Cook**, Water Bureau, **517-241-1242**, or email [cookp@michigan.gov](mailto:cookp@michigan.gov).

Registration Information: **Environmental Assistance Center**, **800-662-9278**, or email [deg-ead-env-assist@michigan.gov](mailto:deg-ead-env-assist@michigan.gov).

**DECEMBER 8, 2009****OVERVIEW OF THE NEW MICHIGAN AIR EMISSIONS REPORTING SYSTEM (MAERS) FOR CONSULTANTS, Lansing Community College, West Campus, Lansing.**

A new web-based Michigan Air Emissions Reporting System (MAERS) is being implemented for the reporting of year 2009 air emissions. The new MAERS system will have a look and feel similar to the existing MAERS system; however, the technology will change to a web-based interface and include several enhancements geared toward streamlining the reporting process. This workshop is specifically designed for consultants and others familiar with MAERS who would like an overview of the new system. At this workshop participants will learn: how to register as a user in the new system; how to navigate through the web-based forms and utilities; and, how to complete and submit reports using the new MAERS. DEQ will offer additional trainings for facilities subject to MAERS reporting in January and February, 2010. Online registration for this workshop is available on the Web at [www.michigan.gov/deqworkshops](http://www.michigan.gov/deqworkshops), click on "Upcoming DEQ Workshops".

Registration Fee: \$125, which includes refreshments and workshop materials.

Information Contact: **Jim Ostrowski**, Office of Pollution Prevention and Compliance Assistance, 517-241-8057, or email [ostrowskij2@michigan.gov](mailto:ostrowskij2@michigan.gov).

Registration Information: **Environmental Assistance Center**, 800-662-9278, or e-mail [deg-ead-env-assist@michigan.gov](mailto:deg-ead-env-assist@michigan.gov).

**JANUARY 2010****SARA TITLE III TIER TWO WORKSHOPS, Various Locations, Michigan.**

Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III), also known as the Emergency Planning and Community Right-To-Know Act, requires facilities to report information that can be vital to the community's safety. Over 6,000 facilities in Michigan annually submit Tier Two hazardous chemical inventory reports required by SARA Title III to the State Emergency Response Commission (SERC), Local Emergency Planning Committees (LEPCs), and local fire departments. Learn how to complete and submit the online Tier Two report at the 2010 SARA Title III Tier Two Workshops, presented by the Department of Environmental Quality Michigan SARA Title III Program. SARA Title III emergency planning notification requirements and chemical release reporting requirements in Michigan will also be addressed. This half-day workshop is recommended for owners, operators, and environmental and safety personnel of facilities that have hazardous materials (material safety data sheets required by OSHA) on site. Environmental consultants, LEPCs, and fire department personnel can also benefit from this workshop and are encouraged to attend. Updated information is available on the Web at [www.michigan.gov/deqworkshops](http://www.michigan.gov/deqworkshops), click on "Upcoming DEQ Workshops."

Registration Information Contact: **Environmental Assistance Center**, 800-662-9278, or [deg-ead-env-assist@michigan.gov](mailto:deg-ead-env-assist@michigan.gov).

Information Contact: **Susan Parker**, Michigan SARA Title III Program, Office of Pollution Prevention and Compliance Assistance, 517-335-4650, or [parkers5@michigan.gov](mailto:parkers5@michigan.gov).

<b>Date</b>	<b>Location</b>
1/21/10	Eagle Crest Conference Resort, Ypsilanti
1/26/10	Prince Conference Center at Calvin College, Grand Rapids
1/28/10	Lansing Community College - West Campus, Lansing

**JANUARY/FEBRUARY 2010****2010 INTRODUCTION TO MAERS (MICHIGAN AIR EMISSIONS REPORTING SYSTEMS) WORKSHOP, Various Locations, Michigan.**

A new web-based Michigan Air Emissions Reporting System (MAERS) is being implemented for the reporting of year 2009 air emissions. The new MAERS system will have a look and feel similar to the existing MAERS system; however, the technology will change to a web-based interface and include several enhancements geared toward streamlining the reporting process. This hands-on training is designed for those who are new to MAERS or those who need more comprehensive training on the concepts and software. At this workshop participants will learn: how to register as a user in the new system; how to navigate through the web-based forms and utilities; how to complete and submit reports using the new MAERS; and, how to avoid common mistakes encountered when completing and submitting your MAERS report. Workshop attendees will receive the "MAERS Workbook" and other guidance materials. Updated information is available on the Web at [www.michigan.gov/deqworkshops](http://www.michigan.gov/deqworkshops), click on "Upcoming Workshops."

Information Contact: **Jim Ostrowski**, Office of Pollution Prevention and Compliance Assistance, **517-241-8057**, or [ostrowskij2@michigan.gov](mailto:ostrowskij2@michigan.gov).

Registration Information: **Environmental Assistance Center**, **800-662-9278**, or [deq-ead-env-assist@michigan.gov](mailto:deq-ead-env-assist@michigan.gov).

<b>Date</b>	<b>Location</b>
1/21/10	University Center at Gaylord
1/26/10	VisTaTech at Schoolcraft College, Livonia
1/28/10	MTEC at Kalamazoo Valley Community College, Kalamazoo
2/02/10	Dearborn Henry Ford Community College, Dearborn
2/04/10	Muskegon Community College, Muskegon
2/09/10	VisTaTech at Schoolcraft College, Livonia
2/11/10	Lansing Community College, West Campus, Lansing

If you are interested in participating in the development of any Office of Pollution Prevention and Compliance Assistance event, please call **Mary Goodhall** at **517-241-7968** or email at [goodhallm@michigan.gov](mailto:goodhallm@michigan.gov).