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## 2009 EARTH DAY CELEBRATION

The Department of Environmental Quality (DEQ) will celebrate Earth Day on Wednesday, April 22, 2009. Previous DEQ Earth Day events at Constitution Hall have been enormously successful. In 2008, more than 2,700 students, employee children and grandchildren attended this educational event. This level of participation is again expected for the 2009 celebration.

Earth Day provides DEQ with a unique opportunity to positively educate the public about the importance of environmental protection and conservation. The Earth Day celebration is a low-cost, high-impact environmental education initiative that provides children with an enthusiastic and hands-on learning experience. For more information on Earth Day activities in Michigan, visit [www.michigan.gov/deq/0,1607,7-135-3307\\_3580-157914--,00.html](http://www.michigan.gov/deq/0,1607,7-135-3307_3580-157914--,00.html)



2008 Earth Day Poster Contest Winners

## MICHIGAN BUSINESS ONE STOP



On March 4, 2009, after unprecedented collaboration among state agencies, the State of Michigan announced the groundbreaking launch of the Michigan Business One Stop. Available through the Michigan.gov portal at [www.michigan.gov/business](http://www.michigan.gov/business), this first-of-its-kind online service successfully streamlines and bundles hundreds of state processes together for businesses to access via a "one stop" shop. This Web site allows business owners to start and register a business; apply for licenses and permits; and pay fees, among other things. To learn more, visit the One Stop and take an online tour.

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## **NEIGHBORHOOD ENVIRONMENTAL PARTNERS (NEP) PROGRAM NOW ACCEPTING APPLICATIONS**

The Department of Environmental Quality (DEQ) announced it will be accepting applications for the 2008 Neighborhood Environmental Partners Awards. Facilities designated as Michigan Clean Corporate Citizens or participants in Michigan's Pollution Prevention Partnership Programs are eligible to apply.



"The NEP program recognizes the importance of building active relationships between neighbors to improve the local environment across Michigan," said DEQ Director Steven E. Chester. "This program allows companies to work together with their community to make long-term environmental improvements."

The DEQ's Clean Corporate Citizens and Pollution Prevention Partners can compete for a NEP Program Award by developing an environmental mission statement and completing environmental projects and/or initiatives in their community. Applications will be accepted through April 30, 2009, and the winners will be announced in June.

To assist interested participants, the DEQ has a Web site that has informational materials on the program requirements, along with ideas and illustrations of community-based environmental activities. For more information on the NEP Program, visit [www.michigan.gov/deqnep](http://www.michigan.gov/deqnep); or call the DEQ, Environmental Assistance Center at 800-662-9278.

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## **AMERICAN RECOVERY AND REINVESTMENT ACT OF 2009**

On February 17, 2009, President Obama signed the American Recovery and Reinvestment Act of 2009 (ARRA). The Department of Environmental Quality (DEQ) has several programs to implement under this legislation. The DEQ expects to receive \$168.5 million for the State Clean Water Revolving Fund (SRF) and \$67.5 million for the Drinking Water Revolving Fund (DWRP). This will be offered primarily to communities on the Fiscal Year 2009 and 2010 Project Priority Lists as principal forgiveness on the SRF and DWRP loans. For more information, please visit [www.michigan.gov/deq/0,1607,7-135-3307\\_3515\\_3517-207202--,00.html](http://www.michigan.gov/deq/0,1607,7-135-3307_3515_3517-207202--,00.html).

The DEQ is also applying for funding pursuant to the Diesel Emission Reduction Act (DERA) and the Leaking Underground Storage Tank (LUST) programs, as well as considering applying for other competitive grants. For more information, please visit the federal Web site at [www.recovery.gov](http://www.recovery.gov), or the Michigan Recovery.gov Web site at [www.michigan.gov](http://www.michigan.gov).

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## **GREENING EVENTS**

If you think the environmental impact of meetings and events is insignificant, think again. A 2006 California study showed that an average event generates almost one-half pound of waste per day for each attendee.

Using recycled materials, reusing items, reducing materials used, and recycling materials used at the event, can significantly lessen the environmental impact an event has. For example, if a five-day event serves 2200 people, using china instead of plastic disposables prevents 1,890 lbs. of plastic from going into a landfill for breaks, breakfasts, lunches and receptions. That is nearly one ton! Source: Green Meetings Report (best practices) - Convention Industry Council, [www.conventionindustry.org/projects/green\\_meetings\\_report.pdf](http://www.conventionindustry.org/projects/green_meetings_report.pdf)

Areas of impact include meeting location, food services, waste management (reduce, reuse, recycle), and marketing. Here are some tips to get you started, including web links for further information:

- Do use electronic meeting methods whenever possible, reducing unnecessary travel. Electronic meetings may be the greener way to accomplish your goals.

- If you are facilitating a meeting, provide attendees some greener travel options. Visit [www.michigan.gov/mdot/0,1607,7-151-9615\\_29685---,00.html](http://www.michigan.gov/mdot/0,1607,7-151-9615_29685---,00.html).
- When possible, provide carpooling or public transportation information and consider a location near a train station or airport if expecting attendees to travel long distances.
- Put your environmental goals in writing and get buy-in from your planning committee. Share these goals with speakers, hosts, suppliers and vendors.
- Create a Web site for your meeting to reduce paper use. Include advertising, brochures, electronic registration and any agenda changes.
- Identify existing recycling options at your venue.
- Use china plates, cups, glassware, and silverware rather than disposable products.
- Consider Michigan's Green Lodging facilities for your future travel and conference needs. Visit [www.michigan.gov/greenlodging](http://www.michigan.gov/greenlodging).
- More tips are available in the DEQ Green Meetings flyer at [www.deq.state.mi.us/documents/deq-ess-p2-epp-greenmeetings-duplex.pdf](http://www.deq.state.mi.us/documents/deq-ess-p2-epp-greenmeetings-duplex.pdf).

#### RESOURCES:

- Michigan Department of Management and Budget
  - Travel Information. This site has links to resources you may find useful as you travel or plan a meeting. Included are links to common travel forms, lists of approved hotels, available facilities state-wide and more. Visit [www.michigan.gov/dmb/0,1607,7-150-9141\\_13132---,00.html](http://www.michigan.gov/dmb/0,1607,7-150-9141_13132---,00.html).
  - Tips for saving money on fuel are found at [www.michigan.gov/dmb/0,1607,7-150-9141\\_13133\\_31273-95006--,00.html](http://www.michigan.gov/dmb/0,1607,7-150-9141_13133_31273-95006--,00.html).
- Michigan Green Lodging Program. This is a project of the Michigan Departments of Labor and Economic Growth and Environmental Quality to promote and support the hospitality industry in its efforts to operate in a more environmentally sound manner. Visit [www.michigan.gov/greenlodging](http://www.michigan.gov/greenlodging)
- BlueGreen Meetings. Whether you are a host, planner or supplier, you can find the tips, tools, and resources to make environmentally responsible choices for your meetings. Visit [www.bluegreenmeetings.org](http://www.bluegreenmeetings.org)
- Green Meetings Industry Council. The GMIC is a non profit membership based organization. Its mission is "transforming the global meetings industry through sustainability." [www.greenmeetings.info](http://www.greenmeetings.info)
- Recycle on the Go. An EPA initiative to encourage recycling in public places such as parks, stadiums, convention centers, airports, and other transportation hubs, shopping centers, and at special events. [www.epa.gov/osw/conserve/rrr/rogo/index.htm](http://www.epa.gov/osw/conserve/rrr/rogo/index.htm)

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## CLIMATE ACTION PLAN

In November 2007, Governor Jennifer Granholm issued Executive Order No. 2007-42, creating the Michigan Climate Action Council (MCAC) charged with developing a Greenhouse Gas (GHG) emissions inventory and forecast, and compiling a comprehensive list of state reduction goals and potential actions to reduce these emissions. On March 1, 2009, just 16 months later, the MCAC Climate Action Plan was released; a 595-page document containing comprehensive information on the state's sources of GHG emissions along with over 50 policy recommendations calling for Michigan to achieve a 20 percent reduction of GHGs below 2005 levels by 2020 and an 80 percent reduction below 2005 levels by 2050. The document is available at [www.miclimatechange.us/index.cfm](http://www.miclimatechange.us/index.cfm).



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## **CONGRATULATIONS ASSOCIATED ORTHOPEDISTS OF DETROIT!**

Associated Orthopedists of Detroit received a 2.98% loan from the Department of Environmental Quality's Small Business Pollution Prevention Loan (P2 Loan) Program to conduct improvements at their medical facilities in St. Clair Shores and Clinton Township. Improvements included the purchase of two digital radiograph (x-ray) systems; thereby eliminating the solid and liquid wastes associated with their previous conventional x-ray technology and x-ray film development.

Have you identified ways to conserve water, adopt energy efficiency, or reduce the pollution your small business produces, but can't afford to make the changes? The P2 Loan Program may be the catalyst you've been looking for. The P2 Loan Program provides loans of up to \$400,000 at an interest rate of 5% or less to existing, independently owned Michigan businesses with 500 or fewer full time employees. This assistance is made available for small businesses looking to undertake an environmental project at their facility. Projects that qualify for P2 loan funding include those that either eliminate or reduce waste at the business location (source reduction), result in environmentally sound reuse and recycling for the loan applicant's generated wastes, or conserve energy or water on-site. For more information contact Karen Edlin at 517-373-0604, or by email at [edlink@michigan.gov](mailto:edlink@michigan.gov).

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## **MICHIGAN GREEN CHEMISTRY GOVERNOR'S AWARD NOMINATION PACKET RELEASED**

A new Green Chemistry Governor's Awards competition for Michigan was released in March. The awards, modeled on the Presidential Green Chemistry Awards Program, will honor industrial, academic, student, and non-profit efforts to green Michigan's economy. The Awards were announced by the Green Chemistry Roundtable, a group convened as a result of Governor Jennifer Granholm's Executive Directive on Green Chemistry. The Award Program is open to individuals, groups, and organizations in Michigan, both nonprofit and for profit, including academia, educators, nonprofit advocacy groups, and industry. Entries, other than the student award applications, must be submitted no later than July 15, 2009, while the student award applications are due April 10, 2009.

The Award Program recognizes advances that either incorporates the principles of green chemistry into chemical design, manufacture, or use; or, that promote activities that support or implement those technologies. Green chemistry improves upon all types of chemical products and processes by constraining their impacts on human health and the environment relative to competing technologies.

Awards will be presented in the following categories at the evening ceremony to be held at the Detroit Institution of Arts September 24, 2009:

- Business: individual efforts, team efforts, and/or corporate efforts for a green chemistry technology in any of the four focus areas identified in the nomination packet.
- Academic: academic research and development efforts in any of the identified four focus areas.
- Education: green chemistry education efforts at any level, from high school to post graduate in any of the identified four focus areas.
- Public: community reform that recognizes efforts from advocates, local government, service organizations, and/or the general public in any of the identified four focus areas.
- Student: undergraduate and graduate chemistry and engineering student design projects that incorporate one or more of the 12 Principles of Green Chemistry.

Further information on the Michigan Green Chemistry Program, along with a copy of the nomination packet, is available on the DEQ Web site at [www.michigan.gov/deqgreenchemistry](http://www.michigan.gov/deqgreenchemistry) or by calling the DEQ, Environmental Assistance Center at 800-662-9278.

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## **HOLD THE DATE – MICHIGAN GREEN CHEMISTRY CONFERENCE**

September 25, 2009

Fort Shelby Doubletree, Detroit

Watch for details at [www.michigan.gov/deggreenchemistry](http://www.michigan.gov/deggreenchemistry)

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## **AIR QUALITY AWARENESS WEEK**

Continuing in the spirit of Earth Day, the week of April 27th to May 1st is designated as Air Quality Awareness Week. This effort is sponsored by the U.S. EPA and NOAA with support from state and local agencies in order to promote a better understanding about ambient air issues and health concerns. A different air issue is explored each day. For more information about Air Quality Awareness Week, visit [www.epa.gov/airnow/airaware](http://www.epa.gov/airnow/airaware)

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## **TWITTER Mlair**

Did you know that you can "twitter" Mlair for a daily air quality index [AQI] tweet? We've created automated Detroit and Grand Rapids area AQI forecast feeds. Check out either at [www.twitter.com/Mlair\\_Detroit](http://www.twitter.com/Mlair_Detroit) or [www.twitter.com/Mlair\\_GrdRapids](http://www.twitter.com/Mlair_GrdRapids)

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## **2009 OZONE SEASON**

Groundlevel ozone is a pollutant associated with warm weather. Ozone monitors operate from April thru September to provide information during the summer months [when elevated levels are most likely to occur]. Ozone monitoring for the 2009 season resumed April 1st at more than 25 locations across Michigan. Ozone forecasting for "Action! Days" begins May 1st.

The 2008 ozone standard:

Ozone concentrations are measured in parts per billion (ppb) over an 8-hour time period. The new 75 ppb ozone [2008] standard is more protective than the previous 85 ppb [1997] standard. The Air Quality Index has been adjusted to reflect the new, more stringent standard because the pollutant affects public health at lower concentrations than previously believed. DEQ expects that some locations across Michigan will find it difficult to meet this tougher health standard (due in part to emissions transported from other states).

This summer, Michigan may experience more orange Unhealthy for Sensitive Groups "Action! days". That does not mean that our state's air is getting "worse", just that EPA adjusted the AQI health level breakpoints when the standard was tightened. Also note that seasonal variations can result in concentration fluctuations from year to year; i.e., a hotter, humid summer generally results in increased ozone levels. Michigan's air resource will continue to demonstrate improvement, and we expect to meet the 75 ppb standard in upcoming years as emission reductions from industrial processes, consumer products and the transportation sector "kick in".

You can observe continuous air monitor data in near real-time by selecting the "Mlair" icon at [www.michigan.gov/deqair](http://www.michigan.gov/deqair).

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## **COMPLIANCE ASSISTANCE CORNER: How Do I Apply for the New Oil and Gas Pipeline Repair General Permit?**

The Department of Environmental Quality's (DEQ) Land and Water Management Division (LWMD) issued a General Permit (GP) to facilitate the repair of existing oil and gas pipelines on May 12, 2008. This GP will be used to authorize repairs impacting inland lakes and streams, and wetlands, with limited review by LWMD staff and without public notice, provided that repairs are carried out in accordance with relevant and appropriate procedures and best management practices outlined in the Federal Energy Regulatory Commission (FERC) "Wetland and Waterbody Construction and Mitigation Procedures" dated January 17, 2003. Applicants should review the language of the GP and comply with the following procedures to obtain authorization under the GP.

*Compliance assistance staff are experienced department personnel in ESSD 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.*

Written authorization is required prior to the initiation of repairs. An application must be submitted to the LWMD on the division's standard "Joint Permit Application" form for permits under Part 301, Inland Lakes and Streams, and Part 303, Wetlands Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended.

Applications must include:

1. The specific location of each repair that will impact an inland lake or stream (location maps and specification of the length of pipeline that will be repaired or replaced at a lake or stream crossing).
2. The location of wetlands adjacent to the repair that may also be impacted due to any temporary sidelaying of spoils or movement of equipment.
3. An indication of whether the pipeline will be replaced with a new line placed via directional boring; repaired/replaced during dry ditch open trenching; or repaired/replaced using an open cut crossing carried out under wet, flowing water conditions; and a description of general procedures to be used.
4. Definition of the timeframe during which repairs will be conducted.
5. If the applicant has information regarding the presence of rare or sensitive natural resources in the vicinity of the repair (e.g. threatened or endangered species, coldwater streams), a description of such resources should be included in the application.
6. A statement certifying that the repairs will be carried out in accordance with the FERC Manual specified in the GP (or an equivalent approved manual).

Specific repair methods do not have to be identified in the application, provided that the FERC manual will be followed. Likewise, detailed engineering plans for the actual repair of the pipeline do not have to be provided. That is, information that is provided in the FERC manual does not have to be duplicated in the application.

Note that if LWMD staff determine that particularly sensitive natural resources – such as listed threatened or endangered species - may be adversely impacted by a particular repair, they may require that a project be reviewed as an individual permit rather than under this GP.

In the event that a given repair project will not follow FERC procedures, including best management practices for stabilization and restoration of the site following construction, then this GP cannot be used.

Questions regarding this GP should be directed to Ms. Peg Bostwick, LWMD's Wetland Lakes and Stream Unit, at 517-335-3470, or [bostwickp@michigan.gov](mailto:bostwickp@michigan.gov).

## 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. ITRC is a state-led coalition working together with industry and stakeholders to achieve regulatory acceptance of environmental technologies. 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 April 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):

- April 14 - Real-Time Measurement of Radionuclides in Soil, 2:00 p.m. - 4:15 p.m. Eastern Time
- April 28 - Perchlorate Remediation Technologies, 2:00 p.m. - 4:15 p.m. Eastern Time
- April 30 - Decontamination and Decommissioning of Radiologically-Contaminated Facilities, 11:00 a.m. - 1:15 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), select “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://cluinorg/live/archive.cm?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

**2009: APRIL 8, JUNE 10, SEPTEMBER 9, NOVEMBER 4**

**8:30 a.m.-12:00 p.m.**

**AIR PERMIT APPLICATION WORKSHOP FOR FIRST-TIME APPLICANTS**, Constitutional 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/deqworkshops](http://www.michigan.gov/deqworkshops), 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, Environmental Science and Services Division, 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).



**APRIL, 2009**

**MICHIGAN DAM OWNER WORKSHOP**, various locations, Michigan. If you own or operate a dam in the State of Michigan, you should attend this workshop. The Michigan Department of Environmental Quality and the Association of State Dam Safety Officials (ASDSO) have teamed up to present practical and straightforward information on topics of importance to anyone who owns or operates a dam. Developed by a committee working with ASDSO and the FEMA National Dam Safety Program, this course includes information about state laws, proper operation and maintenance, rehabilitation issues, and emergency action planning. Speakers will include experts with a broad range of backgrounds, including engineering, emergency management, the National Weather Service, dam operation and maintenance, and the state Dam Safety Program.

Online registration is available on the Web at [www.michigan.gov/deqworkshops](http://www.michigan.gov/deqworkshops), click on "Upcoming DEQ Workshops".

Registration Fee: \$30, includes workshop materials, lunch, and refreshments.

Information Contact: Byron Lane, Land Water Management Division, 517-241-9862, or email at [laneb@michigan.gov](mailto:laneb@michigan.gov).

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

<u>Date</u>	<u>Location</u>
4/17/09	Eagle Eye Golf Club, Bath
4/28/09	Northern Michigan University, Marquette

**APRIL 22, 2009**

**TAKE THE BITE OUT OF DENTAL AMALGAM WASTE**, Lansing Center, Lansing, Michigan. Wastewater treatment facilities everywhere are working diligently to comply with stringent federal effluent limits for mercury. This workshop will identify and refine ideas for reducing discharges of dental amalgam, a major source of mercury for these sewerage systems. Speakers will present pertinent information concerning amalgam use in dentistry, technologies and best management practices that reduce amalgam discharges. Course participants will obtain detailed knowledge regarding dental amalgam best management practices and regulatory approaches; examples of educational materials, ordinances, and reporting forms; and suggestions for outreach and measuring progress. In addition, several model community case studies will be presented featuring innovative and successful approaches. Participants will also learn the key aspects of effective operation and maintenance of amalgam separators. DEQ is on the planning committee for this event. The registration fee of \$50 includes continental breakfast and lunch. To register, call the Michigan Dental Association at 1-800-589-2632 ext. 402 or visit the MDA's Website at [www.smilemichigan.com](http://www.smilemichigan.com) – click on Dental Professionals, then Continuing Education then Annual Session. Pre-registration deadline is March 23, 2009. After 3/23/09 all registration is on-site.

**APRIL - MAY 2009**

**2009 SARA TITLE III TIER TWO and TOXIC CHEMICAL RELEASE INVENTORY REPORTING WORKSHOPS**, various locations, Michigan. This workshop will focus on the reporting requirements for Title III of the Superfund Amendments and Reauthorization Act (SARA Title III), also known as the Emergency Planning and Community Right-to-Know Act of 1986. SARA Title III covers facilities that handle hazardous or toxic chemicals and includes hazardous chemical inventory reports, emergency hazardous chemical releases, emergency planning, and toxic chemical release reporting. The workshop will highlight the toxic chemical release inventory (TRI) report that is due July 1. Attendees will receive basic information on all of the reporting requirements and the associated online reporting programs. All attendees will also receive the 7th edition of the Michigan Facilities' Guide to SARA Title III, Emergency Planning, and Release Reporting. A full brochure and online registration are 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 email [deq-ead-env-assist@michigan.gov](mailto:deq-ead-env-assist@michigan.gov).

Information Contact: Ruth Borgelt, Environmental Science and Services Division, 517-373-9804, or email [borgeltr@michigan.gov](mailto:borgeltr@michigan.gov).

<u>Date</u>	<u>Location</u>
4/28/09	Northern Michigan University, Marquette
4/30/09	Park Place Hotel, Traverse City
5/1/09	Treetops Resort, Gaylord

**MAY 7, 2009****TOXIC CHEMICAL RELEASE INVENTORY (TRI) REPORTING WORKSHOP – BEGINNERS AND ADVANCED COURSES**, Kensington Court, Ann Arbor, Michigan. TRI reporting is required under Section 313 of the

Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA), also known as SARA Title III. Facilities in certain industry sectors that meet the criteria must submit reports for listed toxic chemicals and report releases and waste transfers of the chemicals as well as waste management activities. The U.S. Environmental Protection Agency Region 5 and Michigan SARA Title III Program are partnering to offer this workshop in two sessions. Those who have little or no knowledge of reporting requirements of EPCRA Section 313 should attend the beginner's session in the morning, as well as the afternoon session. The morning beginner's session will cover the regulation in detail, including reporting changes for 2008, as well as Section 6607 of the Pollution Prevention Act (PPA) of 1990. The advanced session will take place in the afternoon and is intended for those who are familiar with the reporting requirements of EPCRA Section 313. Registration for the full day beginner's course is \$75 and includes lunch. Registration for the half-day advanced course is \$50 and does not include lunch. A full brochure and online registration are available on the Web at [www.michigan.gov/deqworkshops](http://www.michigan.gov/deqworkshops), click on "Upcoming DEQ Workshops."

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

Program Information Contact: Ruth Borgelt, Environmental Science and Services Division, 517-373-9804, or email [borgeltr@michigan.gov](mailto:borgeltr@michigan.gov).

**MAY 13 - 15, 2009**

**CHMM REVIEW COURSE**, Yazaki Learning Center, Canton, Michigan. This is an intensive review to help candidates prepare for the Certified Hazardous Materials Manager exam. The enrollment fee of \$400 includes course materials, continental breakfasts and lunches. DEQ will have an exhibit at this event. For further information and online registration go to [www.chmm-mi.org](http://www.chmm-mi.org).

**MAY 19-21, 2009**

**MICHIGAN RECYCLING COALITION'S 27<sup>TH</sup> ANNUAL CONFERENCE AND BUSINESS RECYCLING EXPO, "RECYCLING, YOUR GATEWAY TO GREEN"**, Soaring Eagle Inn, Mt. Pleasant, Michigan. Don't miss the opportunity to catch up on emerging recycling issues, meet with colleagues and experts from across the state. This annual event provides an opportunity for attendees to share information on waste management, to discuss common challenges and solutions, and to view the latest products and services. DEQ will be presenting at this conference.

Information Contact: Kerrin O'Brien, 517-974-3672 or visit [www.michiganrecycles.org/annualconference.html](http://www.michiganrecycles.org/annualconference.html).

**JUNE 16 - 19, 2009**

**AIR & WASTE MANAGEMENT ASSOCIATION'S 102<sup>ND</sup> ANNUAL CONFERENCE & EXHIBITION (ACE)**, Cobo Center, Detroit, Michigan. Don't miss your chance to network with thousands of environmental professionals from around the world at ACE 2009. The national conference will feature a technical program boasting over 500 speakers, hundreds of exhibitors displaying the newest products and services, social tours and networking events, and professional development courses taught by leading instructors. The ACE 2009 Keynote Program will feature presentations by: Gerard M. Anderson, President and Chief Operating Officer, DTE Energy, John D. Dingell, Congressman, Michigan's 15th District (invited), Christopher Flavin, President, Worldwatch Institute, and Beth Lowery, Vice President for Environment, Energy and Safety Policy, General Motors. DEQ is on the planning committee for this event. Visit [www.awma.org/ACE2009](http://www.awma.org/ACE2009) for more information.

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