



# Environmental Assistance Bulletin

## P2 WEEK—SEPTEMBER 20-26, 2010

Jennifer M. Granholm, Governor  
Rebecca A. Humphries, Director

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directions.

The Department of Natural Resources and Environment (DNRE) invites you to be a part of Pollution Prevention (P2) Week, by incorporating activities into your daily routine that reduce, reuse and recycle waste. P2 Week, September 20-26, 2010, is an opportunity for individuals, schools, communities and industries to showcase or share ideas on how they reduce waste, are more efficient or reduce energy. Promoting P2 activities at home, work, or school helps to protect the local economy, improve health and reduce energy costs. For P2 ideas, please visit [www.michigan.gov/p2initiatives](http://www.michigan.gov/p2initiatives) and select "P2 Week." Here you will find links to the Governor's proclamations, P2 tips, environmental calendars, Sustainable Business Forums, and many other resources. The resources include lists of Web sites and documents for topics like education, energy efficiency, green building, landscaping, sustainability, and more.

### Pollution Prevention



Try a few P2 activities during P2 Week this year and encourage your neighbors and colleagues to participate as well! If you are a business, join one of the DNRE business partnerships this week to learn more about how others in business are practicing P2. Don't forget to explore the P2 Week planner for P2 ideas and information. Contact the DNRE's **Environmental Assistance Center** at **800-662-9278** if you have any questions or need additional information.

The poster shown is the DNRE P2 poster and can be found at [www.michigan.gov/documents/deq/deq-ess-p2-p2week-poster\\_256172\\_7.pdf](http://www.michigan.gov/documents/deq/deq-ess-p2-p2week-poster_256172_7.pdf) to print and display. The National P2 Week posters change every year. This year's poster will host the "Faces of P2" in a collage. It may be obtained from the National Pollution Prevention Roundtable at **202-299-9701** or [www.p2.org/p2-week/p2-week-posters](http://www.p2.org/p2-week/p2-week-posters)

## THIRTEEN FACILITIES TO RECEIVE DNRE NEIGHBORHOOD ENVIRONMENTAL PARTNERS PROGRAM AWARD

Thirteen facilities in Michigan are being recognized with the Department of Natural Resources and Environment's (DNRE) Neighborhood Environmental Partners (NEP) Program Award, for their outstanding commitment to environmental community outreach. DNRE Director Rebecca Humphries will personally recognize each facility and their community partners with awards ceremonies planned throughout the state.

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NEP Awards Program was developed by DNRE to recognize facilities and their community partners who have worked together on environmental and natural resource projects to improve the environment locally in their communities. The NEP Program offers business and citizen groups the opportunity to work together to improve their neighborhoods, making them cleaner and more attractive places to live and work.



DNRE will participate in award ceremonies planned across the State of Michigan. The thirteen companies receiving an award are:

- City of Wyoming Clean Water Plant
- Consumers Energy – J.R. Whiting Plant
- Detroit Edison –Belle River Power Plant
- Dow Corning - Midland Site
- General Motors – Flint Metal Center
  - General Motors – Lansing Delta Township Plant (GM LDT)
  - General Motors – Orion Assembly
  - General Motors Power Train – Romulus Engine Operations
- General Motors Power Train – Warren Transmission Plant (GM WTP)
- Herman Miller Inc. – Grand Rapids
- Mel Trotter Ministries – Grand Rapids
- Pilgrim Manor Retirement Community- Grand Rapids
- US Army Garrison-Detroit Arsenal

Further information on the NEP Program is available on the DNRE Web site at [www.michigan.gov/dnre](http://www.michigan.gov/dnre) or by calling the DNRE **Environmental Assistance Center** at **800-662-9278**.

### WHERE CAN \$10 TAKE YOU?



Beginning October 1, the \$10 Recreation Passport replaces the state park sticker to get you into all state parks, recreation areas and boat launches. To get your Recreation Passport, just check "YES" on your license plate renewal form. Your \$10 also helps preserve forest campgrounds and trails, historic and cultural sites in state parks, and parks in your own community.

Get your Recreation Passport and tell your friends and family to do the same. It's only \$10...a good deal for you means a GREAT deal to future generations.

Where can \$10 take you? Visit [www.michigan.gov/recreationpassport](http://www.michigan.gov/recreationpassport) for more information.

### AQUINAS COLLEGE AWARDED GREEN CHEMISTRY GRANT

The DNRE Michigan Green Chemistry Program has awarded a \$381,704.85 grant to the Aquinas College Center for Sustainability to develop an online clearinghouse of green chemistry information and resources. The project will create an innovative resource to promote and encourage green chemistry.

Green chemistry is the design of chemical products and processes that reduce or eliminate the use or generation of hazardous substances. It is pollution prevention at the molecular level, and it presents potential to spur economic development and protect the environment in Michigan. This project will help Michigan businesses and organizations to further 'green' their processes and products, which can reduce costs and prevent pollution.

The three year grant project will develop resources for a wide target audience of those interested or involved in green chemistry, including businesses, students, educators, and academia. The project will create an innovative, useful resource to promote and encourage green chemistry. It will not only provide information, but also a collaborative experience for the user. There are two main components of the grant: designing and implementing a resource clearinghouse using the grant guidelines and green chemistry expertise; and performing research, outreach, and promoting the interactive use of the informational resource. The overarching goal of the project and the Michigan Green Chemistry Program is to advance the adoption of green chemistry principles in various sectors throughout the state.

This grant complements Aquinas College's efforts in the Center for Sustainability, the first institution in the United States to offer undergraduate degrees in sustainable business. Aquinas will partner with other leaders in the area on the project, including Grand Valley State University, the Sustainable Research Group, Blue Sphere, Inc., the Ecology Center, and the Great Lakes Green Chemistry Students Network.

This project was identified in the Action Plan that was created to carry out the objectives of the Governor's Executive Directive 2006-6, "Promotion of Green Chemistry for Sustainable Economic Development and Protection of Public Health" – a unique, forward-thinking policy.

Stay up to date on this project and other DNRE green chemistry activities by visiting [www.michigan.gov/greenchemistry](http://www.michigan.gov/greenchemistry) or contact **Chris Affeldt** at [affeldtc@michigan.gov](mailto:affeldtc@michigan.gov).

## POLLUTION PREVENTION GRANTS FOR MICHIGAN COMMUNITIES

The Department of Natural Resources and Environment is awarding \$246,547 in Community Pollution Prevention (P2) Grant funds to five municipalities for climate action planning.

The purpose of these grants is to increase cooperation between citizens and local governments, and to foster the development of approaches that will effectively address climate and energy challenges in Michigan. Local governments can play a key role in minimizing climate change and reducing its long-term costs. These savings can further sustain local government operations.

"Local climate action planning is an opportunity for local governments to re-examine their processes and to drive improvements and efficiency in its overall operations while reducing its carbon footprint" said Director Humphries. "Increases in efficiency and reductions in energy and waste generation can lead to lower emissions and significant cost savings. Savings that can further sustain local government operations". The municipalities receiving funding include:

- City of Ann Arbor: \$50,000
- City of Dearborn: \$50,000
- City of Hazel Park: \$48,747
- City of Southgate: \$49,767
- City of Ypsilanti: \$48,033

Local governments can lead, educate, and demonstrate the savings from energy efficiency and low-carbon energy, thereby encouraging businesses, institutions, and individuals to move forward on climate change. Local governments can improve operations and enable climate-smart practices through land use plans, zoning and building codes, solid waste and water management programs, energy reduction programs and through policies dealing with roads and public transportation. The five community grant recipients will be required to match the state funds by at least 25 percent.

Further information is available by calling **Michael Young** of the DNRE at **989-894-6238**.

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## COMPLIANCE ASSISTANCE CORNER

### **Question: How many permit application forms exist for Michigan's National Pollutant Discharge Elimination System (NPDES) wastewater discharge permit program?**

**Answer:** There are five NPDES permit applications for wastewater discharges that are regulated under NPDES permit program. The NPDES Storm Water Program has four application forms and all other applicants use the multi-purpose NPDES permit application.

### **Notice of Coverage (NOC) for NPDES Storm Water Discharges from Construction Activity**

The Construction Storm Water Permit Program has an application called an [NOC](#). The Department of Natural Resources and Environment (DNRE) utilizes a permit-by-rule process for NPDES authorizations to discharge storm water from construction sites. Construction activities five acres or more, with a point source discharge to the surface waters of the state, are required to submit an NOC to obtain coverage under permit-by-rule.

### **Notice of Intent (NOI) for Coverage under the NPDES for Storm Water Discharges Associated with Industrial Activity**

There are two types of industrial storm water permits available in Michigan: a generic baseline general permit and a site-specific individual permit. Submission of the [NOI](#) is a request for authorization to discharge under an NPDES general permit issued for storm water discharges associated with industrial activity. The DNRE may determine that coverage under the general permit is not appropriate and that an individual permit is required. The applicant would be notified if any additional application information is necessary. A unique requirement of the NOI is that a certification statement is part of the NOI. The certification statement has various requirements that must be completed prior to processing of the NOI.

### **NPDES Permit Applications for Coverage of Discharges from Municipal Separate Storm Sewer Systems (MS4s) – “[Watershed General Permit](#)” and “[Jurisdictional General Permit](#)”**

Municipalities (including school districts and county agencies) with separate storm sewer systems (MS4s) in census-defined urbanized areas are required to obtain permit coverage under one of the two MS4 general permits. There are separate permit applications for the MS4 general permits that can be used by a regulated entity. The two permits differ in that the Watershed General Permit allows permittees to work collaboratively with watershed partners.

### **NPDES Permit Application for Discharges to Surface Waters**

There is one permit application for all other types of coverage under the NPDES permit program. This [application](#) has six sections. The first section is general facility information; it is to be completed by all applicants. The other sections of the application are completed based upon the type of facility submitting the application and/or the type of wastewater requested for authorization. These sections are entitled:

- II. Sanitary Wastewater Facilities
- III. Industrial and Commercial Wastewater Facilities
- IV. Storm Water
- V. Concentrated Animal Feeding Operations
- VI. Cooling Water Intake Structures

It is not uncommon for the Storm Water Section to be missed by applicants required to complete this section. Applicants can learn whether this section applies to a facility by viewing a [training video](#) or by reviewing your current permit. In addition, facilities that qualify for the no exposure exemption must file a No Exposure Certification with the NPDES permit application package.

*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.*

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### Tips for Completing the Application

1. If the question does not seem applicable, then it may not apply. Place a N/A in the box and staff will contact you if necessary.
2. Complete Section I, General Information then review "Completion of Forms" on page ii of the application to determine what other sections must be completed.
3. If the discharge is to be an increased loading of pollutants to the waters of the state, review the exemptions in Item 6 of the application to determine if an Antidegradation Demonstration is not necessary.
4. If an Antidegradation Demonstration is required, review the Antidegradation Worksheet in Procedure No. 14 - Antidegradation on the NPDES "[How to Apply](#)" webpage.
5. Read carefully every applicable section of the NPDES Permit Application. This will ensure you are not skipping anything that might result in an incomplete application.

Contact a [Permit Processor](#) if you need assistance.



## 2nd Annual Michigan Green Chemistry Conference

A Catalyst for the Economy

Dr. Paul Anastas, Assistant Administrator for the U.S. Environmental Protection Agency's Office of Research and Development, has been invited to give the keynote address at the *2nd Annual Michigan Green Chemistry Conference: A Catalyst for the Economy*. Known widely as one of the "Fathers of Green Chemistry" for his groundbreaking research on the design, manufacture, and use of minimally-toxic, environmentally-friendly chemicals, Dr. Anastas has an extensive record of leadership in government, academia, and the private sector.

*The 2nd Annual Michigan Green Chemistry Conference* is being held on October 20, 2010 at the Kellogg Conference Center in East Lansing and will continue the momentum of the green chemistry movement in Michigan. Now more than ever, Michigan organizations are transforming the way they do business with a focus on sustainability and the use of less-toxic materials and processes.

The goal of this event, initiated by Governor Granholm, is to promote green chemistry and protect Michigan's environment and public health while catalyzing the economy. Conference attendees will learn how green chemistry can reinvigorate Michigan's economy through new processes and products that are safe and green from cradle to cradle. Business leaders, engineers, chemists, researchers, teachers, policymakers, and anyone else interested in moving green chemistry forward in Michigan are invited to attend this event.

Register early to guarantee your seat at this very important event! Updated conference information is available on the Web at [www.michigan.gov/greenup](http://www.michigan.gov/greenup). For additional information, contact the **Environmental Assistance Center** at 1-800-662-9278 or [dnre-env-assist@michigan.gov](mailto:dnre-env-assist@michigan.gov).

Come learn from leading experts in the fields of technology, chemistry, engineering, business process improvement, and economic development on advancing and sustaining green products and processes in Michigan!

## 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 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 August - October 2010 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):

August 10	Light Non-Aqueous Phase Liquid (LNAPL) Part 2: LNAPL Characterization and Recoverability	2:00 p.m. – 4:15 p.m. EASTERN TIME
August 17	LNAPL Part 3: Evaluating LNAPL Remedial Technologies for Achieving Project Goals	2:00 p.m. – 4:15 p.m. EASTERN TIME
September 14	Protocol for Use of Five Passive Samplers	2:00 p.m. – 4:15 p.m. EASTERN TIME
September 16	Phytotechnologies	11:00 a.m. – 1:15 p.m. EASTERN TIME
September 23	Mining Waste	11:00 a.m. – 1:15 p.m. EASTERN TIME
September 30	In-Situ Bioremediation of Chlorinated Ethene – DNAPL Source Zones	11:00 a.m. – 1:15 p.m. EASTERN TIME
October 7	Perchlorate Remediation Technologies	11:00 a.m. – 1:15 p.m. EASTERN TIME
October 12	LNAPL Part 1: An Improved Understanding of LNAPL Behavior in the Subsurface	2:00 p.m. - 4:15 p.m. EASTERN TIME
October 13	LNAPL Part 2: LNAPL Characterization and Recoverability	2:00 p.m. – 4:15 p.m. EASTERN TIME
October 14	LNAPL Part 3: Evaluating LNAPL Remedial Technologies for Achieving Project Goals	2:00 p.m. – 4:15 p.m. EASTERN TIME
October 19	Use of Risk Assessment in Management of Contaminated Sites	2:00 p.m. – 4:15 p.m. EASTERN TIME
October 21	Enhanced Attenuation of Chlorinated Organics: A Site Management Tool	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 at [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 <http://www.itrcweb.org>. You can download the ITRC guidance documents that are the basis for the training materials - click on “Guidance Documents”.

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



2010

**SEPTEMBER 8 & NOVEMBER 10****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 Natural Resources and Environment 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. Updated workshop information is available at [www.michigan.gov/dnreworkshops](http://www.michigan.gov/dnreworkshops), select "Upcoming DNRE Workshops". Information Contact: **James 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 [dnre-env-assist@michigan.gov](mailto:dnre-env-assist@michigan.gov).

**OCTOBER 20, 2010****2<sup>ND</sup> ANNUAL MICHIGAN GREEN CHEMISTRY CONFERENCE: A CATALYST FOR THE ECONOMY, KELLOGG CONFERENCE CENTER, MICHIGAN STATE UNIVERSITY, EAST LANSING, MICHIGAN.**

The 2nd Annual Michigan Green

Chemistry Conference continues the momentum of the green chemistry movement in Michigan. Now more than ever, Michigan organizations are transforming the way they do business with a focus on sustainability and the use of less-toxic materials and processes. Green chemistry can reinvigorate Michigan's economy through new processes and products that are safe and green from cradle to cradle. Come learn from leading experts in the fields of technology, chemistry, engineering, business process improvement, and economic development on advancing and sustaining green products and processes. Business leaders, engineers, chemists, researchers, teachers, policymakers, and anyone else interested in moving green chemistry forward in Michigan are invited to attend this event. Updated conference information is available at [www.michigan.gov/greenup](http://www.michigan.gov/greenup). Registration Information Contact: **Environmental Assistance Center**, 800-662-9278 or [dnre-env-assist@michigan.gov](mailto:dnre-env-assist@michigan.gov). Information Contact: **Jennifer Acevedo**, Office of Pollution Prevention and Compliance Assistance, 517-335-3203 or [acevedoj@michigan.gov](mailto:acevedoj@michigan.gov).

**OCTOBER 22, 2010****MICHIGAN GREEN HEALTHCARE CONFERENCE, SPECTRUM HEALTH, GRAND RAPIDS, MICHIGAN.**

This conference is intended for individuals that work in the health-care field, specifically for those individuals that are affiliated with the engineering, environmental services departments and/or individuals who have a passion for helping their hospital reduce their ecological footprint. If you are someone that wants to learn about sustainability, building an effective green team, increasing energy efficiency, recycling, and other successful green initiatives at hospitals, this is the conference for you! Updated conference information is available at [www.michigan.gov/dnreworkshops](http://www.michigan.gov/dnreworkshops), click on "Upcoming DNRE Workshops". Information Contact: **Mike Young**, Office of Pollution Prevention and Compliance Assistance, 989-894-6238 or [youngm1@michigan.gov](mailto:youngm1@michigan.gov). Registration Information Contact: **Environmental Assistance Center**, 800-662-9278 or [dnre-env-assist@michigan.gov](mailto:dnre-env-assist@michigan.gov).

**NOVEMBER 9, 2010**

**ANNUAL FALL ENVIRONMENTAL CONFERENCE, LANSING COMMUNITY COLLEGE, LANSING, MICHIGAN.** Co-sponsored by the Environmental Law Section of the State Bar of Michigan, West Michigan Chapter of the Air & Waste Management Association, and East Michigan Chapter of the Air & Waste Management Association, the fall program will feature discussions of timely environmental issues. For additional information, please contact **Michele Buckler**, FTCH, at [mjbuckler@FTCH.com](mailto:mjbuckler@FTCH.com) or visit [www.emawma.org](http://www.emawma.org).

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

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