

*Michigan Department of Environmental Quality
Office of Pollution Prevention and Compliance Assistance*

EAP

ENVIRONMENTAL ASSISTANCE PROGRAM

2009
Annual Report



This report highlights the programs and accomplishments of the Environmental Assistance Program, located in the Office of Pollution Prevention and Compliance Assistance. For complete information on our programs, please contact:

The Michigan Department of Environmental Quality
Office of Pollution Prevention and Compliance Assistance
800-662-9278
P.O. Box 30457
Lansing, Michigan 48909
www.michigan.gov/deq



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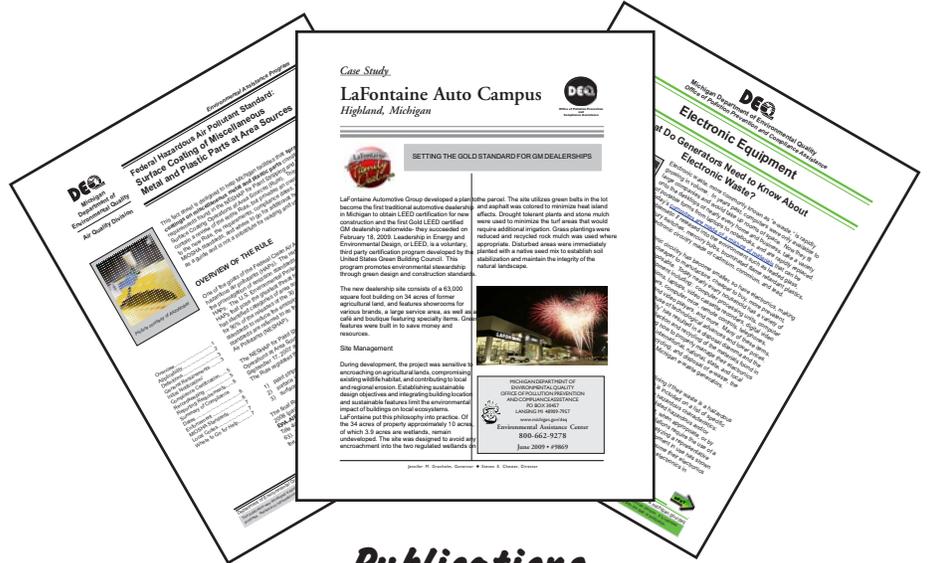
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Annual Report

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Publications

**Compliance
Advisory
Panel
(CAP)**

Greening Events

**Permit
Coordination
and Michigan
One Stop**

Partnerships

Speakers Bureau

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Presentations

Training

INTRODUCTION

Assisting Michigan businesses, industries, local units of government and the general public in understanding and meeting their environmental responsibilities is the cornerstone of the Environmental Assistance Program (EAP) located in the Office of Pollution Prevention and Compliance Assistance (OPPCA). The EAP offers multi-media coverage on all major Department of Environmental Quality (DEQ) programs and regulations.

Whether it's direct one-on-one telephone assistance, producing training events, or developing plain English publications, EAP staff stand ready to provide timely and accurate information and assistance on a wide array of environmental topics and issues.

This annual report highlights the major accomplishments of the EAP during fiscal year 2009 (FY 09) and introduces you to the compliance assistance services we provide. As you look over the following pages, we ask you to consider your own environmental concerns or questions, and invite you to contact us for assistance. Let the EAP help you make a difference in protecting our shared environment.

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From our customers...

“Wow, thank you, your very quick turn around to my question is great customer service.”

-EAC caller

“I am new to these systems, and greatly appreciate your organization and the logical thought path you used in presenting the materials today. I was comfortable with the systems within the first hour, and left the meeting very satisfied.”

-Workshop attendee

“I consider the Office of Pollution Prevention and Compliance Assistance a valuable resource and I would certainly recommend their use for others that need help with Michigan’s environmental regulations.”

-EAC caller

“It was extremely helpful to have the number of DEQ staff members available, particularly the Division Chief, to have so many questions answered on-the-spot. Please continue these workshops in the future. I am sure they save valuable time for both the DEQ and those applying.”

-Workshop attendee

ENVIRONMENTAL ASSISTANCE CENTER

Unsure if you need a permit for your business operation? Looking for disposal or recycling options for your household hazardous waste? Concerned about construction activity in a nearby wetland area?

Well, look no further! The **Environmental Assistance Center** (EAC) is the friendly voice that provides you access to all the Department of Environmental Quality (DEQ) environmental programs. By calling the EAC's 1-800-662-9278 number from 8:00 a.m. to 5:00 p.m. Monday through Friday or contacting us by email at (deq-ead-env-assist@michigan.gov) business, industry, local units of government, and the general public will receive direct one-on-one assistance or referral to a network of technical staff in the DEQ. Callers outside the normal business hours have the option of leaving a voice mail message and having their call returned the next business day.

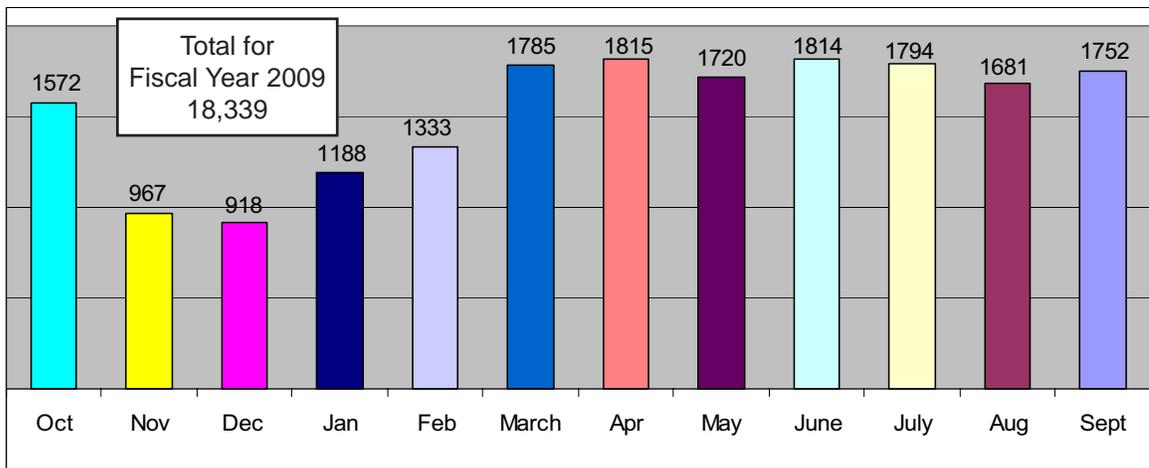
Since its inception in 1995, the EAC has helped thousands of callers “navigate” through the numerous DEQ programs and regulations. In addition, the EAC can provide you with information on DEQ sponsored environmental conferences, workshops and training programs, and suggest guidebooks, fact sheets, and other publications on a wide array of environmental topics. The EAC is DEQ’s “front line” for day-to-day contact with the general public and regulated community and was given the Director’s Employee Recognition Award in 2004 for their service to the DEQ and to the people of the state of Michigan.

In FY 09, our staff handled more than 18,339 calls and emails. The following are some additional metrics for FY 09:

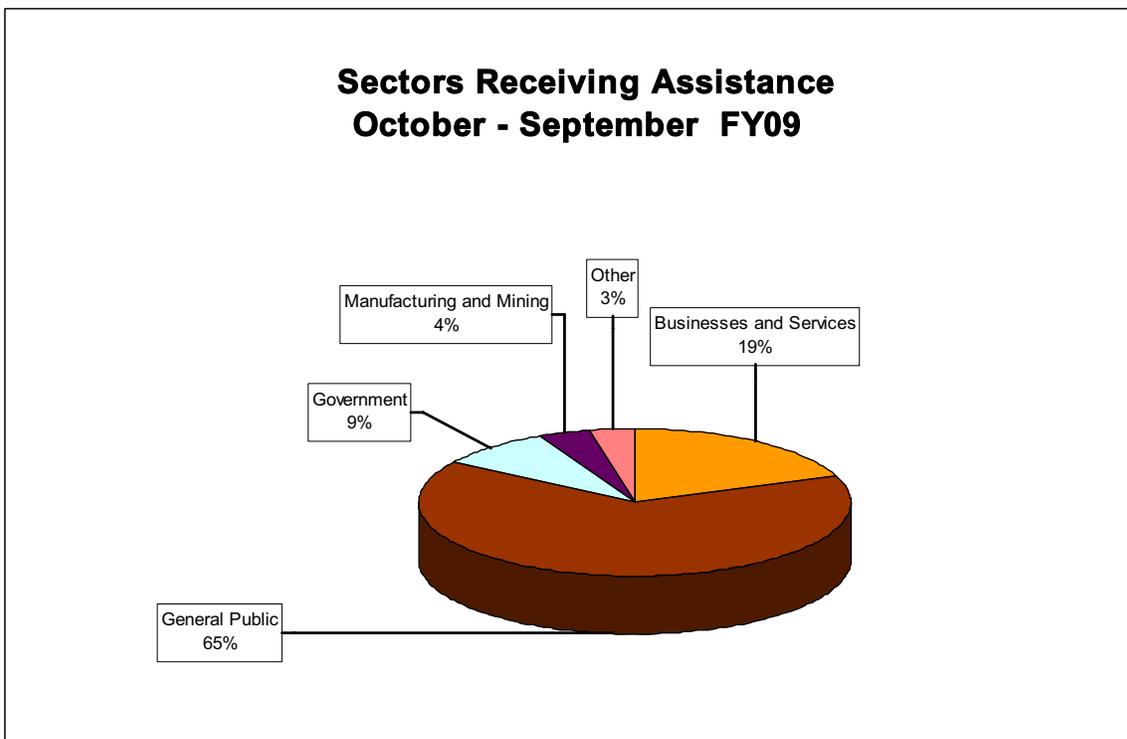


ENVIRONMENTAL ASSISTANCE PROGRAM INQUIRIES FY 09

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SECTORS RECEIVING ASSISTANCE THROUGH THE OPPCA ENVIRONMENTAL ASSISTANCE PROGRAM FY 09



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SPEAKERS BUREAU

Schools, trade associations, non-profit organizations, and community groups often contact the DEQ requesting technical speakers. In order to streamline these requests, the Speakers Bureau was formed. The Bureau provides a convenient link into the Department through which requests can be made for numerous presentation topics including environmental permitting, air and waste issues, wetlands, contaminated sites, pollution prevention, and Environmental Audit Privilege and Immunity, to name a few.

You can access the Speakers Bureau by completing an online form at www.deq.state.mi.us/eforms/speakerrequest.html. Each inquiry is carefully evaluated to identify the needs of the audience and determine the most suitable presenter.

These technical presentations are another way the DEQ educates and informs the citizens of Michigan. During FY 09, the Speakers Bureau filled 42 requests.



PRESENTATIONS

The EAP professionals are available to make presentations on a wide array of DEQ programs and regulations. From small groups to large annual conferences or workshops, EAP professionals can bring their expertise to your event on topics such as air and water permitting, hazardous and solid waste management, underground storage tanks, and wetlands. During FY 09, the EAP professionals made presentations at 12 events.

Contact the EAP professionals today by calling the EAC at 1-800-662-9278 or via the Speakers Bureau online at www.michigan.gov/deqworkshops, click on “**Speakers Bureau**” and let them bring the DEQ to you.

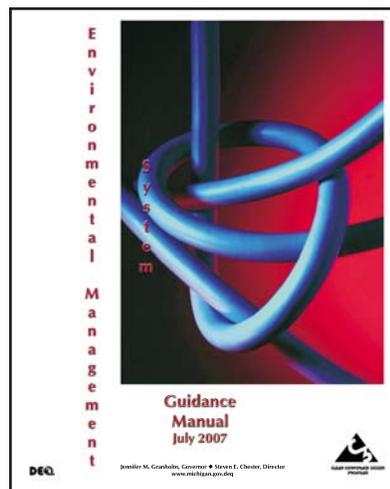
ENVIRONMENTAL MANAGEMENT SYSTEMS (EMS)

The EMS's are based on the International Organization for Standardization's environmental framework - ISO 14001: 2004. The EMS creates an overall site specific management system that addresses environmental concerns through the allocation of resources, assignment of responsibilities, and ongoing evaluation of practices, procedures, and processes to achieve sound environmental performance. The use of facility specific EMS's has proven to be a very effective management tool for both small and large businesses alike and has spread to a wide variety of sectors including manufacturing, health care, agricultural and educational institutions.

Michigan DEQ has developed an easy to use online **manual** based on the ISO 14001 standard to assist with development of your EMS.

The EAP staff are available to answer any of your questions concerning EMS development and implementation; the ISO 14001:2004 standard; EMS auditing, etc. Staff are also available to meet your group on-site to discuss the merits of creating an EMS for your operations.

For more information on how to obtain a hard copy of the manual, please contact the EAC at 1-800-662-9278.



PARTNERSHIPS

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Producing and co-sponsoring events is one of many ways the EAP initiates and strengthens relationships with industry peers. Whether it's working together to launch an event, or helping to support each others' programs - these partnerships all work toward the common goal of protecting Michigan's natural resources.

The EAP partnerships provide a unique opportunity for colleagues to collaborate, expand outreach, and increase visibility of their organizations. One of the ways this is typically accomplished is through the exchange of complimentary exhibit space. Setting up and staffing displays at each others' events provides an excellent, low to no-cost opportunity to increase visibility, and reach target audiences for environmental education activities.

When you become an EAP partner, here are some of the ways you will increase the visibility of your organization and promote your events:

- Printing of your logo on DEQ workshop brochures.
- Your event listed in the DEQ Calendar and OPPCA Bulletin.
- A link to your Web site posted on the DEQ workshops site.
- An opportunity to display your material at upcoming DEQ events.
- Announcements to DEQ-OPPCA-Workshops Listserv (over 3,250 subscribers).

For FY 09, the EAP partnered with dozens of organizations to promote DEQ workshops, displayed at 13 events, and helped in the marketing efforts for 33 events. Go to www.michigan.gov/deqworkshops and click on "[Other Training Opportunities](#)."

TRAINING

Fostering **effective partnerships** with industry, government, and academia, the workshop team conducted 35 events held throughout Michigan. A total of 2,029 attendees participated in various training activities that encompassed technical training, compliance and enforcement activities, and innovative approaches to affecting change in various sectors.

Industry customers continued to indicate a high level of need for technical training, based on continued sell outs of our most popular classes. The annual **Michigan Air Emissions Reporting System (MAERS)** computer classes were offered at five locations, and a sixth one was added to accommodate those on a waiting list. **SARA Title III** training, otherwise known as the Emergency Planning and Community Right-to-Know Act, was held at three locations which all filled to capacity. Additionally, this year we offered technical training to companies affected by the **National Pollutant Discharge Elimination System (NPDES)**.

Unique events this fiscal year included a **Grant Writing** workshop to help public transportation providers apply for funds to clean up diesel engines; and a **Fugitive Dust** conference and vendor show that addressed regulations, health issues, and best practices for dust control. Teaming up with the Michigan Dental Association, we conducted an **Amalgam Waste Management** workshop within the umbrella of the Association's annual meeting.

Stretching our reach and dollars with technology, for the first time we produced a live video-stream of a real-time **Dam Safety** workshop. The Department of Environmental Quality, in conjunction with the Association of State Dam Safety Officials (ASDSO), presented practical and straightforward information to those who own or operate 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. Due to the static nature of the information, this class was a perfect candidate for capturing and housing for on demand viewing.

Numerous government agencies, environmental groups, and local nature and conservancy representatives form the **Michigan No Child Left Inside Coalition**. The intent of the Coalition is to ensure that programs and policies are put in place for our children to have access and opportunity to experience Michigan's natural wonders. In June of 2009, over 190 participants met at the Kellogg Conference Center to map out a strategy to accomplish this goal. The EAP workshop team provided the registration and logistical support for this event that resulted in comprehensive workgroups being formed to carry out the mission of the Coalition.

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was our premier event for FY 09. 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 interest groups. The Roundtable was charged with promoting green chemistry through an Awards Program and convening a conference designed to help businesses understand the value and issues around green chemistry. The first Annual Awards program was a huge success, with awards being given in the areas of business, academic, education, public, and student.

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The conference launched a multi-level approach to green chemistry and product and process design. Leading experts in the fields of business technology, chemistry, engineering, and process improvement discussed ways to advance and sustain green products and processes in Michigan. Known as the "founding father" of Green Chemistry, Dr. John Warner founded the Warner Babcock Institute for Green Chemistry and started the world's first Green Chemistry Program at the University of Massachusetts Boston.

Our events continue to earn higher-than-average ratings and their popularity is reflected in the registration figures for attendance. The workshop team continues to design and conduct high-quality, low-cost events. Looking toward the future, plans are in place to utilize recently acquired technology to produce and promote alternative training modules offered via the Internet.

The year in review...

SARA Title III Tier Two Workshop
MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

January 22, 2009
Grand Rapids, Michigan

January 27, 2009
Lansing, Michigan

January 28, 2009
Livonia, Michigan

Co-Sponsors: DEQ, CEMM, Michigan State University, etc.

Helping Michigan Facilities with Hazardous Chemical Inventory Reporting

Title III of the Superfund Amendments and Reauthorization Act of 1980 (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. SARA Title III emergency planning notification requirements and chemical release reporting requirements in Michigan will also be addressed in the 2009 SARA Title III Tier Two Workshop.

WHO SHOULD ATTEND?
This 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.

Calculators are recommended.
Space is limited so register early!

SARA Title III Tier Two Workshop
Number of Attendees: 296

MICHIGAN ECONOMIC DEVELOPMENT CORPORATION

Brownfield Redevelopment Authority Workshops

September 17, 2009
Auburn Hills Municipal Center
1827 N. Squirrel Road
Auburn Hills, MI 48326

September 29, 2009
The Lansing Center
333 E. Michigan Avenue
Lansing, MI 48933

Brownfield Redevelopment Authority Workshops
Number of Attendees: 209



Michigan No Child Left Inside Coalition
Number of Attendees: 174

Clean Up Your Diesel Engines!
 A Grant Writing Workshop For Public Transportation Providers

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
Janette M. Granholm, Governor • Steven E. Chastek, Director

DEQ February 23, 2009
 Lansing, Michigan

The U.S. Environmental Protection Agency (EPA) and other federal agencies are offering competitive federal grants to help public agencies upgrade their diesel engines to lessen pollution and improve air quality. If you desire federal funding to help clean your diesel engines read on.

Attend this workshop if:

- You oversee state, county, municipal or school bus fleets or transit authorities.
- You contract with school districts, municipalities, or counties to provide transportation or other diesel engine equipment.
- You work at a port authority or locomotive switchyard where diesel engines are used.
- You lease transportation or construction equipment to state, municipal or county agencies.
- You are a non-profit institution that has air quality or transportation as its focus.

Vehicles and equipment eligible for funding include:

- Medium to heavy duty diesel vehicles, engines, and ground installations used for either on-road or non-road applications (i.e., trucks, buses, and other diesel engine used for construction, handling cargo, farming, mining, and energy production).
- Marine engines (i.e., tugboats and pushboats, ferries, excursion vessels, dredging equipment, container ships, tanker ships, bulk carrier ships, and cruise ships).
- On-road or non-road applications that provide heat, air conditioning, or electricity service to vehicles and equipment that is stationary or temporarily parked (i.e., locomotives at rail yards and generator sets).

Federal competitive grants may be used for clean diesel technology, which incorporates an emission control technology verified by either the U.S. EPA or California Air Resources Board (CARB). Examples of U.S. EPA or CARB-verified emission control technologies include:

- Retrofit Technologies (i.e., oxidation catalysts and particulate matter filters).
- Idle Reduction Technologies (i.e., auxiliary power units and generator sets).
- Cleaner Fuel Use (i.e., cost differential associated with biodiesel substitution).
- Engine Repowers (i.e., replacement with new or cleaner engine and scrapping of old engine).
- Engine Upgrades (100% of cost of engine upgrade).
- Vehicle and Equipment Replacements (covering between 25-50% of cost).

Register today for your opportunity to learn about these federal dollars!

Clean Up Your Diesel Engines! A Grant Writing Workshop for Public Transportation Providers
Number of Attendees: 136

Exploring Michigan's Rare Wetlands

Are You Interested in Learning More about Rare Wetland Communities in Michigan?

Michigan's landscape includes a remarkable array of rare wetlands including southern bogs, prairie fens, southern wet meadows, northern fens, and hardwood-conifer swamps. These wetlands are identified, studied, managed, and stewarded by:

- Land conservancies
- Wetland consultants and engineering firms
- State and federal agencies
- Colleges and universities
- Interested individuals

The Michigan Department of Environmental Quality, together with Michigan Natural Features Inventory ecologists on overall landscape, community classification, rare and imperiled wetlands types present in the state, and strategies for identification. Plants, animals, and other characteristics of each community type will be discussed. Each training session will include afternoon field visits to one or more of the rare and imperiled wetland types in the respective area. Attendees should come prepared with boots, water, and other field gear to participate in the afternoon field visits.

Each workshop will include morning presentations from Michigan Natural Features Inventory ecologists on overall landscape, community classification, rare and imperiled wetlands types present in the state, and strategies for identification. Plants, animals, and other characteristics of each community type will be discussed. Each training session will include afternoon field visits to one or more of the rare and imperiled wetland types in the respective area. Attendees should come prepared with boots, water, and other field gear to participate in the afternoon field visits.

DATES

July 30, 2009 Ebensale Center, Wayland http://ebensale.lansingschools.net/directions.htm	August 11, 2009 Stockbridge Township Hall, Stockbridge www.inforni.com/township/stockbridge/
August 4, 2009 Room C, Hagerly Center, Traverse City www.nmc.edu/hagerlycenter/info/directions.html	August 13, 2009 Farm Center Classroom, Kensington Metro Park www.metroparks.com/parkspk_kensington.php

AGENDA

- 8:30 a.m. Check-in
- 9:00 a.m. Program
- 12:00 p.m. Lunch
- 12:45 p.m. Field Visits
- 4:30 p.m. Adjourn

Registration fee is \$35 and includes workshop materials and lunch. Register on-line at www.michigan.gov/deq/workshops. Scroll down to Exploring Michigan's Rare Wetlands.

DEQ
Michigan Natural Features Inventory

Exploring Michigan's Rare Wetlands
Number of Attendees: 140

Take the Bite Out of Dental Amalgam Waste
 April 22, 2009

Lansing, Michigan
 MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
Janette M. Granholm, Governor • Steven E. Chastek, Director

Learn about the next steps in mercury reduction beyond chairside traps and vacuum filters!

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, amalgam separator technologies and best management practices that reduce amalgam discharges. Areas of interest include:

- Amalgam separator installation—how to choose the proper device and operation and maintenance considerations.
- Best Management Practices (BMP)—including plumbing guidelines, barriers, and innovations in developing model separator programs.
- The ISO 1143 measurement standard, lab reports, flow rate and capture rates, performance measurements, and laboratory testing.
- Certification and accreditation bodies and legislation.
- Amalgam recycling and management services, mercury retort, and other uses of mercury.

This workshop is intended for treatment plant personnel, policy makers, municipal officials, legislators, Michigan Dental Association state and chapter representatives, dentists, equipment manufacturers, and vendors.

* 0.5 continuing education credit is offered for completion of this course.*

Take a Bite Out of Dental Amalgam Waste
Number of Attendees: 70

Fugitive Dust Management for Roads and Surface Lots

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
Janette M. Granholm, Governor • Steven E. Chastek, Director

DEQ March 26, 2009
 Livonia, Michigan

Fugitive dust from roads and surface lots contributes to air pollution in Southeast Michigan. Public health studies increasingly warn that exposure to particulate matter has significant health implications. Fugitive dust also has the potential to be a significant contributor to storm and surface water pollution.

The Michigan Department of Environmental Quality is presenting this fugitive dust management workshop and vendor exposition that will give information on how to control fugitive dust on paved and unpaved roads and surface lots at public and private facilities. To help comply with environmental requirements relating to fugitive dust, attendees will receive an overview of regulations and health issues, a profile of dust control methods, advice on efficient work site management practices, success stories on dust management, and information about the costs involved in dust prevention and reduction. Vendors will showcase their products and services designed to help control fugitive dust.

Co-Sponsors:

WHO SHOULD ATTEND?
 This workshop is recommended for owners and managers of paved and/or unpaved surface lots and/or roads, including municipalities, businesses, and any organization with fugitive dust issues.

Fugitive Dust Management for Roads and Surface Lots
Number of Attendees: 140

Introduction to MAERS Workshop

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
Janette M. Granholm, Governor • Steven E. Chastek, Director

DEQ February 5, 2009
 Gaylord, Michigan

The Introduction to Michigan Air Emissions Reporting System (MAERS) Workshop is offered annually to help companies submit their MAERS reports electronically using the MAERS software. This year's Introduction to MAERS Workshop will again feature hands-on computer training!

Workshop participants will be taken step by step through the MAERS version 2008.0.0 software in an interactive, hands-on format. This workshop has been designed for those with little or no experience using the MAERS software and anyone who may need a review of MAERS basics. Introduction to MAERS Workshop participants will learn:

- MAERS software basics, including installation, navigation, and how to download your database.
- How to complete the electronic forms and submit your report to the DEQ.
- How to avoid common mistakes encountered when completing and submitting your MAERS report.

Workshop attendees will receive the updated "MAERS Workbook" and other guidance materials. A limited number of computers are available at the Kalamazoo and Lansing sessions, so register early. Space will be available for attendees who wish to bring their own laptops to these locations. For questions about workshop content, contact James Ostrowski at 517-241-8077 or Email at ostrowsk12@michigan.gov.

February 10, 2009
 Kalamazoo, Michigan

February 12, 2009
 Livonia, Michigan

February 19, 2009
 Lansing, Michigan

Introduction to MEARS Workshop
Number of Attendees: 184

TRI, Tier Two, and AWR Reporting Workshop

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
Janette M. Granholm, Governor • Steven E. Chastek, Director

DEQ April 28, 2009
 Marquette, MI

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, and will highlight the toxic chemical release inventory (TRI) report that is due July 1. The Wastewater Reporting rules under Part 31 of the Natural Resources and Environmental Protection Act of 1994 will also be discussed.

SARA Title III covers facilities that handle hazardous or toxic chemicals. This federal law covers hazardous chemical inventory reports, emergency hazardous chemical releases, emergency planning, and toxic chemical release reporting. The Wastewater Reporting rules require facilities that discharge wastewater to the waters of the state or to a sewer system to submit an Annual Wastewater Report (AWR). All three programs now have web-based reporting applications that will be demonstrated.

Persons responsible for environmental reporting at facilities that handle hazardous or toxic substances or that have wastewater discharges should attend. Michigan business owners, operators, environmental and safety personnel, and environmental consultants can all benefit from this workshop and are encouraged to attend.

Co-Sponsors:

All attendees will receive the 7th edition of the Michigan Facilities' Guide to SARA Title III, Emergency Planning, and Release Reporting published December 2008.

April 30, 2009
 Traverse City, MI

May 1, 2009
 Gaylord, MI

TRI, Tier Two, and AWR Reporting Workshop
Number of Attendees: 93

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PERMIT COORDINATION AND MICHIGAN BUSINESS ONE STOP

The DEQ administers approximately 65 permit and licensing programs, including personal licenses or certification programs, business and operational licenses, and various other activities that require permits. Understandably, when a company is considering the start-up of a new business operation in Michigan, it can be a time consuming and somewhat overwhelming experience to try and identify all the permit programs that may apply to their new venture. To make this a much less confusing process, throughout fiscal year 2008, the EAP participated extensively in the development of the Michigan Business One Stop (MBOS).

The MBOS is Michigan's premier government online service dedicated fully to the successful operation of new and existing businesses. Most of Michigan's regulatory departments worked together to bundle services for our business community. This one stop shop helps users find relevant regulatory programs; it also includes extensive information about licensing and permits, tax registration and unemployment insurance. MBOS can be accessed online at www.michigan.gov/business.

New businesses often call the Environmental Assistance Center (EAC) at 1-800-662-9278 for one-on-one assistance in filling out a permit application or to determine which permits may be required for their operations. Those calls involving multi-media permit coordination for DEQ permit issues are assisted by staff specialists with the use of MBOS. In some instances, special circumstances require additional permit coordination services such as coordination of "permit coordination meetings" upon request by the company. These meetings bring together staff permit experts from the respective permitting programs likely to be of interest to the new business. In the year FY 09, the Environmental Assistance Program has hosted such meetings for proposed facilities in the waste to energy sector.

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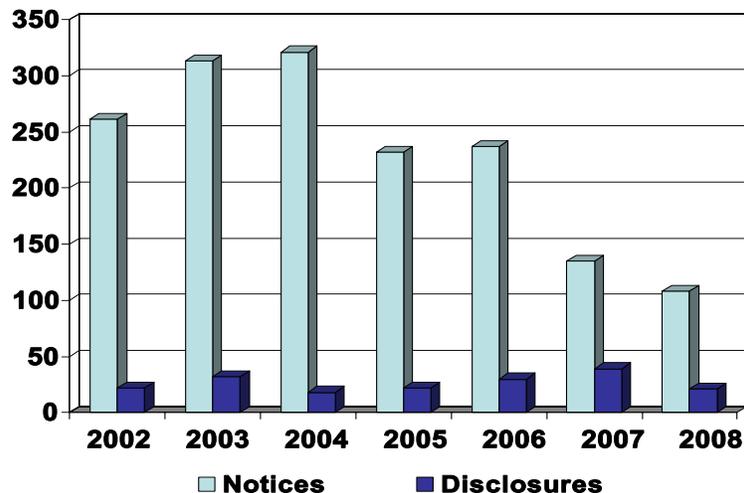
ENVIRONMENTAL AUDIT, PRIVILEGE AND IMMUNITY

It is important to the success of Michigan’s environmental protection efforts that businesses, municipalities, and public agencies take self-initiated actions to assess or audit their compliance with environmental laws and correct any violations found. For example, it is estimated that a number of small businesses in Michigan have never applied for or obtained necessary environmental permits, fearing the disclosure of information to state agencies would lead to enforcement and penalties. The Environmental Audit Privilege and Immunity Law removes this fear and provides incentives for businesses to perform environmental audits and promptly report and correct violations. This will lead to increased compliance with environmental requirements and further protection of Michigan’s outstanding natural resources.

In general, the program has two main elements: a privilege that protects the audit report and audit-implementing personnel from disclosure (they cannot be used in legal proceedings against the company), and immunity provisions can be sought for violations that are reported and corrected in accordance with the law. Obtaining privilege involves filing a document called a “Notice of Intent to Perform an Environmental Audit.” To be eligible for privilege under this program, this notice must be filed before the audit is commenced and other general provisions must be met such as the findings must be found by the company (not by DEQ staff). Immunity provisions can be sought later by filing a document called a “Voluntary Disclosure.” You can learn more about the program from the [Environmental Audit Fact Sheet](#).

Environmental Audit program activities are tracked in an annual report. The report summarizes the number of voluntary disclosures on an annual basis along with general categories of the types of violations and time needed to achieve compliance. On average, around 250 Notices of Intent to perform an audit and 27 voluntary disclosures are filed per year. Program information, including annual reports can be found on the [Environmental Audit Web site](#).

Audit Data



PUBLICATIONS

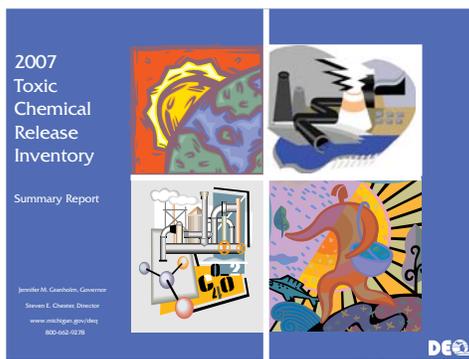
DEQ regulations are complex and often times, difficult to interpret. This can make compliance difficult for even the most astute business operator. Our EAP professionals work hand-in-hand with DEQ regulatory divisions and industry representatives to design user-friendly guidance materials geared toward simplifying the compliance process. Popular this year is a new workbook developed specifically for the automotive mechanical repair industry. Using the books' self-audit format, facilities can determine if they are in compliance with the state and federal environmental regulations applicable to their operations. For areas of non-compliance, the audit process spells out exactly how to achieve it.

Other fact sheets and books continue to be popular, including the Michigan Manufacturers' Guide to Environmental, Health, and Safety Regulations. Now in its 5th printing, the Guide continues to be a favorite among industry environmental professionals.

In addition to the compliance assistance publications identified above, the EAP also produces the Environmental Assistance Bulletin, which is published bi-monthly and contains a number of features such as upcoming workshops, new publications, short articles of interest on new regulations, pollution prevention, incentive and recognition programs, along with the popular Compliance Assistance Corner Q & A feature.

All publications are available via the DEQ publications Web link at www.michigan.gov/deq and clicking on the quick link for **publications**. Many publications are also available in hard copy and can be ordered by contacting the EAC at 1-800-662-9278 or by email at deq-ead-env-assist@michigan.gov. Most of these publications are free, with the exception of a few low cost items such as our Manufacturer's Guide.

Some of the publications developed by the EAP this past year include:



PUBLICATIONS FISCAL YEAR 2009

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Case Study

LaFontaine Auto Campus

Highland, Michigan



SETTING THE GOLD STANDARD FOR GM DEALERSHIPS



LaFontaine Automotive Group developed a plan to build the first traditional automotive dealership in Michigan to obtain LEED certification for new construction and the first Gold LEED certified GM dealership nationwide. They succeeded on February 18, 2009. Leadership in Energy and Environmental Design, or LEED, is a voluntary, third party certification program developed by the United States Green Building Council. This program promotes environmental stewardship through green design and construction standards.

The new dealership site consists of a 63,000 square foot building on 34 acres of former agricultural land, and features showrooms for various brands, a large service area, as well as cafe and boutique featuring specialty items. Green features were built in to save money and resources.

Site Management

During development, the project was sensitive to encroaching on agricultural lands, compromising existing wildlife habitat, and contributing to local and regional erosion. Establishing sustainable design objectives and integrating building location and sustainable features limit the environmental impact of buildings on local ecosystems. LaFontaine put this philosophy into practice. Of the 34 acres of property approximately 10 acres, of which 3.9 acres are wetlands, remain undeveloped. The site was designed to avoid any encroachment into the two regulated wetlands of the parcel. The site utilizes green belts in the lot and asphalt was colored to minimize heat island effects. Drought tolerant plants and stone mulch were used to minimize the turf areas that would require additional irrigation. Grass plantings were reduced and recycled rock mulch was used where appropriate. Disturbed areas were immediately planted with a native seed mix to establish soil stabilization and maintain the integrity of the natural landscape.



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Environmental Assistance Center
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June 2009 • #9869

Janice H. Grubbs, Governor • Steve E. Chubb, Director

SMALL QUANTITY GENERATOR REQUIREMENTS

The Waste and Hazardous Materials Division (WHMD) oversees waste requirements for Small Quantity Generators (SQGs) of hazardous waste who are subject to [Part 111](#), Hazardous Waste Management, of the Natural Resources and Environmental Protection Act 1994 PA 451 (NREPA), as amended, and [rules](#) along with the federal [Resource Conservation and Recovery Act \(RCRA\)](#), as amended, and [rules](#). Hazardous waste includes both characteristic and listed wastes as defined in the Part 2 Identification and Listing of Hazardous Waste of the [Part 111 administrative rules](#). The Michigan regulations identify more hazardous wastes than the federal regulations. To be a SQG, a business would:

- Generate in a calendar month more than 220 pounds (100 kg) but less than 2,200 pounds (1,000 kg) of non acute hazardous waste. As an estimate of liquid waste, this is approximately 25 to 250 gallons depending on the density of the hazardous waste.
- Generate in a calendar month less than 2.2 pounds (1 kg) of acutely toxic or severely toxic hazardous waste. Acutely hazardous wastes have "P" in their waste number and severely toxic wastes are those with an "S" in their waste number. Additional acutely hazardous wastes are identified by an (H) in the hazard code column of the other listings.

If a business generates different amounts than listed, they will have different requirements. Also, there are other agencies that have requirements pertaining to hazardous waste. The WHMD hazardous and liquid industrial waste inspection forms are available if a business wants to do a compliance self audit. The forms include abbreviated citations for both state and federal regulations. If doing a voluntary, internal evaluation consider meeting the [guidance](#) and [self audit](#) criteria.

SMALL QUANTITY GENERATORS OF HAZARDOUS WASTE MUST DO THE FOLLOWING:

- 1. Conduct a Waste Characterization**
Businesses need to determine if the waste they generate is hazardous or non hazardous. If the materials used, or the waste generating process changes, or there are other activities at the business that may impact the type of waste, it will be necessary to re-evaluate the waste characterization. The regulations do not require a specific timeframe like annually to re-evaluate the waste. Keep any records obtained in this determination (i.e., analysis results, material safety data sheet (MSDS), or other documentation such as product information from a supplier or manufacturer) at least three years from the time the waste was last sent for treatment, storage, or disposal. The amount of hazardous waste that is generated in a calendar month can affect a business' generator status.
See the "Waste Characterization" guidance for waste determination information.
Not properly characterizing waste and keeping documentation are common violations.
- 2. Obtain a Michigan Site Identification Number**
If the business doesn't already have a site identification number (sometimes called an EPA number) for hazardous waste generation at this location, it will be necessary to apply for one. The EPA 5150 form and instructions for obtaining a site identification number are available on-line at http://michigan.gov/deq/0,1607,7-135-3312_4118_4240-9198--00.html. All regulated waste activities need to be identified on the notification form. For example, if the business is a SQG and also generates used oil, they would file as a SQG and a liquid industrial

WASTE MANAGEMENT GUIDANCE

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WASTE AND HAZARDOUS MATERIALS DIVISION
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SHOOTING RANGE STEWARDSHIP



Managing Lead at Your Shooting Range

Healthy Schools Guide



Blissfield Community Schools
2005 Michigan Community Pollution Prevention School Chemical Waste Reduction Grant Recipient

The Healthy Schools Guide contains information, tools, and outreach materials to integrate a Pollution Prevention (P2) ethic within K-12 schools, helping to create a safer and healthier learning environment for students and staff.

This Guide provides the information and tools needed to eliminate and/or minimize the use of toxic chemicals in both the classroom and school facility operations along with information on high performance schools, energy efficiency, small-scale chemistry, green building/renovation, school bus idling reduction, pest management, and radon awareness.

The Healthy Schools Guide is divided into sections directed toward:

- Administrators
- Facility Managers
- Transportation Managers
- Teachers
- Students

Within each section, descriptors and links are given to lead the user to the most up-to-date state and national resources.



Combined Sewer Overflow (CSO), Sanitary Sewer Overflow (SSO) and Retention Treatment Basin (RTB) Discharge 2008 Annual Report

(January 1, 2008 - December 31, 2008)

AIR QUALITY REQUIREMENTS FOR HOSPITALS

AIR QUALITY GUIDANCE

INTRODUCTION

Hospitals operate equipment that emit air pollutants, making hospitals subject to a variety of state and federal air quality requirements. The purpose of these requirements is to minimize the adverse impact that the air pollutants have on human health and the environment. The U.S. Environmental Protection Agency (U.S. EPA) has the responsibility of developing regulations that implement mandates of the federal Clean Air Act Amendments of 1990. Federal air quality regulations are published under Title 40, Parts 50 through 99 of the Code of Federal Regulations (40 CFR Parts 50-99).

Part 55 (Air Pollution Control) of the Natural Resources and Environmental Protection Act, Public Act 451 of 1994, as amended (PA 451) is the state law that regulates sources of air contaminants. The Air Quality Division (AQD) of the Michigan Department of Environmental Quality (DEQ) is responsible for developing and implementing state air quality requirements and enforcing compliance with both state and federal air quality requirements.



This document provides hospitals a road map to following these air quality requirements, with a focus on equipment common to most hospitals: boilers, emergency generators, and sterilizers.

AIR CONTAMINANTS

It is important to understand the different groups of air pollutants because many of the regulations target specific pollutants. For hospitals, the majority of air pollutants emitted come from the combustion of fuels used in boilers and generators.

An important group of pollutants that are emitted from hospitals are the criteria air pollutants:

- carbon monoxide (CO);
- lead (Pb);
- nitrogen dioxide (NO₂);
- ozone;
- particulate matter (PM); and
- sulfur dioxide (SO₂).

The U.S. EPA set National Ambient Air Quality Standards (NAAQS) for these criteria air pollutants, since they are known to be dangerous to human health and the environment.

Michigan Department of Environmental Quality | Environmental Assistance Program | 1-800-662-9278 | www.michigan.gov/deq

Michigan Municipal Separate Storm Sewer System (MS4) Permit Public Participation Process

Public Participation Process Guidance for the Watershed Permit (General Permit No. MIG610000)

STORM WATER GUIDANCE

This guidance is designed to assist the permittee with developing a public participation process (PPP), or revised PPP, as required by Part I.A.3.a of the Watershed General Permit.

PPP Purpose

To facilitate the involvement of watershed jurisdictions, agencies, organizations, and the general public in the development, implementation, and update of the Watershed Management Plan (WMP). Special effort should be made to involve those entities with the authority, ability, and desire to bring about necessary change by developing and implementing the WMP. The following format is recommended for the PPP.

Part 1. General Information

Identify the Watershed, as identified in your Certificate of Coverage (COC), for which this PPP has been developed.

Identify the permittee(s) submitting this PPP.

Identify the person, group, or agency responsible for coordinating the development of the WMP.

Part 2. Building the Team (Table)

This part provides a framework for building and engaging the initial team. Watershed planning, however, is a dynamic process. Ongoing implementation of the PPP should include consideration of which stakeholders are most critical and focus level of efforts accordingly.

Provide a 3-column table:

Column 1—Identifying Stakeholders: List who you plan to involve in your watershed management planning (or updating and implementation) process.

Column 2—Soliciting Participation: List the methods you plan to use to bring stakeholders into your planning (or updating and implementation) process.

Column 3—Responsible Party: List who will be responsible for implementing each method.

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MORE... PUBLICATIONS FOR FISCAL YEAR 2009

PUBLICATIONS

Michigan Department of Environmental Quality

Air Quality Division

FAQ

OPEN BURNT GREEN

What air quality regulations do gasoline station owners and gasoline tanker truck drivers have to comply with?

Up to 15 gallons of gasoline vapors can be lost when a station's storage tank is filled. These vapors lead to the formation of ground-level ozone, which triggers a variety of respiratory health problems. To lessen the public health impacts, the Michigan Department of Agriculture (MDA) and Environmental Quality (DEQ) require vapor balance systems at gasoline stations in certain counties and metropolitan areas and subsequent filling of gasoline station storage tanks. On January 10, 2009, the U.S. Environmental Protection Agency (U.S. EPA) enacted stringent requirements to minimize the release of gasoline vapors during the filling of storage tanks.

Vapor balance equipment minimizes the release of gasoline vapors when underground storage tanks are filled at gasoline stations through a combination of pipes and hoses that collect displaced gasoline vapors from the tank and store them back in the tanker truck. The terminal recovers the gasoline when the tanker truck returns to the tank. The storage tank submerged fill pipes must be no more than six inches from the bottom of the tank to reduce vapor generation from splashing when the tank is filled.

Who is subject to the existing state requirements and what are they required to do?
All gasoline stations must have submerged fill pipes in their storage tanks. Stations with an annual throughput of 120,000 gallons of gasoline or more in the counties of Livingston, Macomb, Monroe, Oakland, St. Clair, Washtenaw, and Wayne or stations with an annual throughput of 250,000 gallons or more located in the metropolitan areas of Flint, Lansing, or Grand Rapids must use a vapor balance system when their storage tanks are filled.

Who is subject to the new federal standard and what are they required to do?
All Michigan gasoline stations, regardless of throughput are subject to management requirements. Stations with a maximum throughput of 10,000 gallons or more are required to comply with the management and subsequent filling requirements. All Michigan gasoline stations with a monthly throughput of 100,000 gallons or more must comply with the management and subsequent filling requirements and use vapor balance systems that meet specific criteria when filling storage tanks, as well as not the tanking pressure and tank rate of their present vacuum vent valves and the static pressure of their storage tanks. These gasoline stations are also subject to federal notification, recordkeeping, and reporting requirements.

If a station is located in an area regulated under one of the two state requirements but its throughput is less than 100,000 gallons per month, do they still need to use vapor balance equipment?
A station owner needs to review the state and federal requirements separately and comply with all of the requirements that apply. They may be subject to more than one agency's requirements. For example, if a station is located in Washtenaw County and its monthly throughput is 50,000 gallons, they are not subject to the vapor balance requirement under the federal standard but could still be subject to the state vapor balance rule if their annual throughput of gasoline is 120,000 gallons or more. Table 1 contains a snapshot of the different requirements found under each rule and standard.

What date does the new federal standard have to be met?
2008 for new stations, whichever is later. Existing gasoline stations (i.e., stations operated on or before November 7, 2006) must achieve compliance by January 10, 2011.

What are the responsibilities of the distributor and tanker truck driver?
Drivers must use vapor balance equipment at all gasoline stations subject to the state rules and federal standard. Research/vacuum tests must be conducted annually on tanker trucks. Trucks operating in Marquette County or the lower half of the Lower Peninsula of Michigan must conduct annual research/vacuum tests.

800-662-9278 | September 2009
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Michigan Department of Environmental Quality

General

FAQ

PREPARE

I am starting a new manufacturing business. What permits will I need from the Michigan Department of Environmental Quality (DEQ)?

There are several resources to assist companies in determining the permits that may be required from DEQ.

PERMIT INFORMATION CHECKLIST:
An initial evaluation can be done through use of the **Permit Information Checklist** found at www.deq.state.mi.us/airpollution/clean-air-permits/cap338.pdf. The checklist contains "yes" and "no" questions to help identify the types of activities at the proposed facility that may require permits from the DEQ.

If you need more information about a specific permit program, then refer to the relevant chapter of the **DEQ Permit and Licensing Requirements Guidebook** found at www.deq.state.mi.us/airpollution/clean-air-permits/cap338.pdf.

Contact the Environmental Assistance Center at 800-662-9278 if a hard copy is necessary, or if you have any questions as you go through the permit information checklist, you call the Environmental Assistance Center and ask for a program specialist. You can also contact the program directly (phone numbers are included on the page to assist in this regard).

MICHIGAN MANUFACTURERS' GUIDEBOOK:
Another excellent reference is the **Michigan Manufacturers' Guide to Environmental Health and Safety Regulations**. This guidebook was written by the DEQ in cooperation with the Michigan Occupational Safety and Health Administration (MIOSHA) to assist manufacturing regulators. The 2006 guidebook can be found online at www.michigan.gov/cap338/1,6271,2515_6148_10086_00_00000.

We have received some very positive feedback from Michigan manufacturers as to the usefulness of this desk reference. If you would like a hard copy, you can purchase a guidebook for \$25 plus tax and shipping. A CD version is also available for \$3 plus tax and shipping. An order form can be found on the site above, or you can contact the Environmental Assistance Center at 800-662-9278 for help with the order.

BROWNFIELD REDEVELOPMENT:
Various sites work with the Michigan Department of Environmental Quality's Brownfield Redevelopment Grant Program. If the site under consideration is a brownfield (old industrial site or site of environmental contamination), then you may want to consider calling the DEQ's Brownfield Authority for assistance.

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Michigan Department of Environmental Quality

Water Bureau

FAQ

DEICERS

POTENTIAL ADVERSE IMPACTS OF DEICERS WITH A FOCUS ON AGRICULTURAL BY-PRODUCT DEICERS ON WATER RESOURCES

The selection of deicing substances is an issue that involves careful balance between economics, safety and environmental concerns. When it comes to the nation's roadways, public safety is considered the primary concern. Alternative deicers have been explored for use in Michigan by the Michigan Department of Transportation (MDOT) and road maintenance agencies for the past several years due to the potential negative impacts of road salt. Like any deicing substance, use of road salt has some negative consequences such as corrosion related to both vehicles and building structures (i.e., bridges, overpasses and highway tunnels), it is harmful to both ornamental and agricultural vegetation, and in certain areas salt runoff has potential to lead to unacceptable chloride concentrations in lakes and rivers.

Recently, various road maintenance agencies and citizens have contacted the Michigan Department of Environmental Quality (MDEQ) regarding potential environmental impacts of deicing substances, especially agricultural by-products (ABP), which include beet waste (dehydrated molasses). This document offers information regarding potential water quality impacts of ABP. It also provides information on pertinent water quality regulators implemented by the MDEQ's Water Bureau.

Q: Does guidance exist that will help road maintenance agencies evaluate and select pre-icing and deicing substances that could help mitigate environmental impacts to surface and ground waters?

• The National Cooperative Highway Research Program developed a comprehensive report entitled "Guidelines for the Selection of Snow and Ice Control Materials to Minimize Environmental Impacts in 2007". The guidance is available online at: <http://www.nrcog.org/Research/Project/Display.asp?ProjectID=583>

This project also involved the development of a Material Selection Decision Tool that can be downloaded from the webpage above.

This is a publication of the Transportation Research Board of the National Academies. These academies bring together committees of experts in areas of scientific and technological endeavor. These experts serve pro bono to address critical national issues and give advice to the federal government and the public. A representative from the United States Environmental Protection Agency participated in this project.

• MDOT has been studying the economic, safety, and environmental issues associated with deicing substances and pre-wetting agents. In 2002, MDOT published a report regarding their evaluation of anti-icing compounds developed from ABP. Their published information can be found online at: http://www.michigan.gov/documents/mdot/mdot_research_report_31418_245018_7.pdf

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FAQ's

GREENING THE 2009 INTERNATIONAL AIR & WASTE MANAGEMENT ASSOCIATION CONFERENCE AND EXHIBITION

The 102nd International Air and Waste Management Association (AWMA) Conference and Exhibition was held at the Cobo Center in Detroit, June 16-19, 2009. Approximately 150 exhibitors and 2,000 participants attended 180 technical sessions, exhibits, and networking events.

Hosting an environmentally friendly event was an important goal for the local host committee of the event. The Department of Environmental Quality's Office of Pollution Prevention and Compliance Assistance helped lead the efforts of the Environmentally Friendly Team, which planned and carried out a comprehensive program to reduce and recycle waste, use eco-friendly materials, compensate for greenhouse gas emissions associated with the conference, promote environmentally friendly travel, support the venue and area hotels with more sustainable practices, and educate exhibitors, participants, and staff.

Conference planners carried out the following activities:

- Reduced paper waste through electronic registration.
- For the first time this year, all conference promotional materials were printed on 100% recycled paper using soy-based ink.
- Held meetings with conference venue and surrounding hotels to institutionalize environmental sustainability.
- Purchased carbon offsets to counterbalance CO₂ emissions associated with conference activities.
- Promoted walking from hotel, and use of public transportation and green taxis.
- Developed and implemented a comprehensive recycling program at Cobo.
- Educated participants, exhibitors, speakers and staff through signage, tip sheets, staff briefings, and dedicated on-site personnel to educate about recycling.
- Provided info to hotels about ways to decrease their environmental footprint and how to join Michigan's Green Lodging Program. The hotel headquarters for this event, Detroit Marriott Renaissance, is certified as a Leader in this program.
- Hosted a green exhibitor contest - DEQ was recognized as one of top greenest exhibitors.

Carbon Offsets

AWMA set a goal of offsetting all the carbon dioxide emissions generated by the conference. A total of \$4,625 was raised to fund tree planting by **TIST.org**, which organizes small groups of subsistence farmers to plant trees in Tanzania, Kenya, Uganda and India. The TIST.org program empowers farmers to combat the devastating effects of deforestation, poverty and drought.

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In addition to donating trees that were planted across the world, AWMA partnered with the Greening of Detroit and planted five trees along Detroit’s Riverfront in Tri-Centennial State Park, Michigan’s first urban state park.

Cobo Center

Steps that the Cobo Center had already taken in recent years, contributed to the greening of this event. Recent updates included replacing 84,000 fluorescent lamps with energy efficient lighting, installing automated faucets in the restrooms and a lighting system that monitors natural light levels and cycles on/off as needed, using green cleaning products, and implementing a new recycling program. During the conference, all food and beverage were served with biodegradable cups, plates, and utensils.



In addition to Cobo’s recycling program of paper, cans, and plastic bottles, this year’s local host committee arranged for the recycling of shrink wrap, cardboard, and metal bands.



Over 2800 pounds of clean, marketable recyclables were generated, collected, and recycled during the event, as detailed in Table 1.

Material	Recycled (lbs)
Paper	1050
Shrink Wrap	60
Plastic Bottles	40
Corrugated Cardboard	1020
Metal Cans and Banding	38
Aluminum Cans	119
Glass Bottles	500
Carpet Rolls	36
Total	2863

Table 1. Event recycling totals broken down by commodity.

Approximately 2042 pounds of waste were generated and transported to the Greater Detroit Resource Recovery Authority waste-to-energy plant for incineration. The amount of recyclables recovered was greater than the amount of waste disposed; the whole event had an overall recycling rate of 58%.

COMPLIANCE ADVISORY PANEL

The Small Business Clean Air Compliance Advisory Panel (the Panel) was created to monitor the effectiveness of the EAP and the Michigan Clean Air Ombudsman in addressing businesses' compliance needs. Together, these three components comprise the assistance program for small businesses as mandated under the Federal Clean Air Act.

The seven-member Panel, comprised of individuals appointed by the Governor, legislators, and the Director of the Michigan Department of the Environmental Quality, represent the state's citizens, small business owners, and government agencies.

In FY 2009, the Panel met on December 2, 2008, and June 2, 2009, and provided input on the following issues:

- Strengthening communication internally with other State Small Business Programs,
- Michigan Business One Stop (MBOS) – the new on-line customer assistance business service, and
- Michigan Environmental Results Program for Auto Body Shops.

For more information about the Panel, go to www.michigan.gov/deqair and click on "Clean Air Assistance" and "Clean Air Compliance Advisory Panel."

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National Clean Diesel Campaign

Michigan Clean Diesel Initiative (MiCDI)

The MiCDI is a group of government, industry, and nonprofit organizations working together to address diesel engine pollution in Michigan. The objectives of the MiCDI are to help the state of Michigan achieve improvements in the federal air quality standards for particulate matter and ozone. The MiCDI is a part of the Midwest clean diesel coalition and the U.S. EPA's National Clean Diesel Campaign. The National Clean Diesel Campaign offers innovative programs and financing to address in-use diesel engines by promoting a variety of cost-effective emission reduction strategies, including: switching to cleaner fuels; retrofitting, repairing, repowering, and replacing equipment; and reducing idling.

In 2008, Michigan received approximately \$300,000 in clean diesel grant funds under Diesel Emissions Reduction Act (DERA) by agreeing to match \$200,000 of this federal funding each year with private funding. The DEQ decided to focus on S.E. Michigan with a school bus project for the Detroit Public Schools to retrofit at least 160 of their school buses with diesel engine exhaust control equipment over a two year time frame. The Detroit Public Schools bus project also has an educational component which provides information to school children, staff, parents and the community, served by the Detroit Public Schools, about the overall expected health and air quality benefits of the project.

In early 2009, EAP staff working in concert with the AQD, provided more than \$1.5 million in DERA-related grants under the Michigan Clean Diesel Recovery and Reinvestment Project, a federal stimulus grant project funded under the American Recovery and Reinvestment Act (Recovery Act) of 2009. The seven entities receiving Recovery Act grant awards under the Michigan Clean Diesel Recovery and Reinvestment Project were:

Detroit/Wayne County Port Authority of Detroit-Nicholson Terminal and Dock for the repower of certified marine engines and aerial lifts (\$141,700).

Detroit Wayne County Port Authority of Detroit - Waterfront Petroleum Terminal Company for the repower of certified propulsion marine engines, certified engine generator sets, and shore pumps (\$309,913).

Mass Transit Authority of Flint for the certified engine repower of urban transit buses (\$162,705).

Okemos Public Schools for the purchase and installation of exhaust control retrofit devices for a variety of statewide school buses (\$153,964).

Southwest Detroit Environmental Vision for engine repowers of non-road construction equipment, as well as short haul on-road vehicles, and marine ferry engines. This project will also incorporate idle reduction technology in tire loaders and exhaust control retrofit devices on highway vehicles (\$370,367).

Whiteline Express, Ltd. to install idle reduction auxiliary power units on their long haul truck fleet (\$79,200).

Zeeland Public Schools to replace diesel engine school buses with propane powered school buses (\$309,648).

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WEB PAGES

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The Office of Pollution Prevention and Compliance Assistance (OPPCA) has a number of Web sites that provide useful information along with Web links of interest for businesses, industries, local units of government, and the general public on a wide array of environmental programs and topics.

The [Environmental Assistance Program](#) site focuses on our multi-media compliance assistance efforts including “Frequently Asked Questions” and links to the major DEQ program division Web pages, and DEQ Environmental Publications available at the [DEQ Publications Center](#).

Other noteworthy Web links include:

The “[DEQ Who Does What List](#)” is a comprehensive list of DEQ staff contacts (names and telephone numbers) for hundreds of environmental programs and topic areas of interest.

[Training and Workshop](#) opportunities offered by the DEQ educate the regulated community and the general public on environmental requirements, pollution prevention practices, and other topics related to the protection of Michigan’s natural resources. A new feature also provides quality **on-line training** on topics such as air quality and storm water permitting.



GET INVOLVED!

The [Programs for Citizens](#) Web site takes you to our Citizen Involvement page. This page contains a number of publications and links to help the general public stay informed and get involved in DEQ programs and decision making.

The [Public Involvement Handbook](#) outlines public involvement opportunities within the DEQ and can also be accessed from the Citizen Involvement page.

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EAP

ENVIRONMENTAL ASSISTANCE PROGRAM