



COMPLIANCE & PREVENTION

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Ohio Launches Voluntary Mercury Switch Removal Program for Auto Salvage Yards

In September 2006, Ohio EPA launched a voluntary mercury switch removal program for auto salvage yards. The program, sponsored by Ohio EPA and End of Life Vehicle Solutions (ELVS), encourages auto switch recycling to help reduce mercury releases to air, water and soil.



This program is completely voluntary. As long as funds are available, participating salvage yards will receive \$3.00 for every switch turned in. The Agency has established a \$60,000 fund for the program which equates to collection of 20,000 mercury auto switches for recycling. As the program progresses, we hope additional funding becomes available.

Participating in the program is easy. If you need more information or are interested in the program, please contact Bill Narotski, Office of Compliance Assistance and Pollution Prevention (OCAPP) at (614) 728-1264 or by e-mail at bill.narotski@epa.state.oh.us. If you send e-mail, please provide your name, company name,

KEY POINTS FROM THIS ISSUE

- Ohio EPA launches mercury auto switch removal program
- Changes to hazardous waste manifest system now effective

address and phone number. After contacting us, you can expect to receive more information and your first collection bucket within a few weeks. Funding is now available for this program, so we encourage you to contact us soon.

We are excited about the program and hope that auto salvage yards will take advantage of this opportunity to help get mercury out of the environment.

Upcoming Composting Seminars in Southwest Ohio

OCAPP is coordinating with several divisions in Ohio EPA's Southwest District Office to provide training to composting facilities and local health departments in southwest Ohio. The seminars will cover composting requirements, air permitting, wastewater management and hazardous waste management requirements.

The local health department seminar will be held on November 9 and the composting facility operator seminar will be November 16. Both seminars will be held at the Green County Career Center in Xenia. For more information, view the agenda online at www.epa.state.oh.us/ocapp/sb/publications/CompostSeminarAgendas.pdf. To register, contact Jim Pellegrino, OCAPP, Southwest District Office at jim.pellegrino@epa.state.oh.us or (937) 285-6439.

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If your organization would like OCAPP to provide a compliance or regulatory workshop for your organization, please contact us at (800) 329-7518 or by e-mail at p2mail@epa.state.oh.us.

Hazardous Waste Manifest System Changes

U.S. EPA adopted changes to the hazardous waste manifest system effective September 5, 2006. Because Ohio EPA has its own authorized hazardous waste management program and regulations, the majority of federal changes will not take effect in the state until Ohio EPA officially changes its own regulations. The exception to this is the requirement to use the new manifest form. **All hazardous waste shipped on or after September 5, 2006 must be shipped using the new hazardous waste manifest form.**

How can I obtain blank manifest forms?

U.S. EPA's Web site has a "Table of Approved Registrants," with contact information for organizations approved by to print the hazardous waste manifest. According to the U.S. EPA Web site, you can expect to spend between \$0.21 and \$1.00 per form, depending on the quantity and the type of form you order, e.g., snap-outs or continuous. Visit their site at www.epa.gov/epaoswer/hazwaste/gener/manifest/registry/printers.htm#table.

When I ship hazardous waste off-site, do I need to send a copy of the manifest to Ohio EPA?

No. Generators and other facilities responsible for shipping hazardous waste off-site are NOT required to send a copy of their manifest to Ohio EPA.

Where can I get more information?

For more information about these changes, see the Division of Hazardous Waste Management's Web site at www.epa.state.oh.us/dhwm/fr03-04-05.html.

For more information about hazardous waste manifests see www.epa.state.oh.us/dhwm/faqsaboutmanifests.html.

The Printers' National Environmental Assistance Center has a hazardous waste manifest training video that introduces the new manifest form, highlights the differences between the new and old form and provides specific instructions to generators, transporters and treatment/storage/disposal facilities. This video is helpful for all types of businesses. View this video at www.pneac.org/hazwastemanifest/.

Ohio Small Business Energy Saver

Businesses that spend less than \$150,000 on their annual energy bill now have a tool to help them reduce energy waste and hold costs down. The Ohio Department of Development has developed a free online tool that is confidential and easy to use. By using this tool, you can:



- quickly identify basic energy-saving opportunities;
- create a project plan with estimated paybacks on implementing recommendations;
- get information on project assistance resources;
- target specific aspects of your operation to work on first;
- get a checklist to review, track and evaluate progress;
- compare your energy use to similar businesses; and
- view examples of how similar businesses save energy.

If you are looking for ways to save on energy expenses at your business, visit the Small Business Energy Saver at www.business.ohio.gov/. Grant funding is available for business owners who are ready to implement measures suggested by the Ohio Small Business Energy Saver. For more information, visit www.odod.state.oh.us/cdd/oe/ELFGrant.htm#NOFA_07-05.

OCAPP Publication & Resource Update

Tattoo and Body Piercing Shops and Ohio EPA's Regulations for Handling Infectious Waste "Sharps"
www.epa.state.oh.us/ocapp/sb/publications/tatto.pdf

Environmental Permitting Guide for Ethanol Facilities in Ohio
www.epa.state.oh.us/ocapp/sb/publications/ethanolguide.pdf

Environmental Regulations and Dental Offices (Compliance Checklist)
www.epa.state.oh.us/ocapp/sb/publications/dentaloffice.pdf

Ohio's Universal Waste Rules: Are You Handling Used Lamps Correctly? (Compliance Checklist)
www.epa.state.oh.us/ocapp/sb/publications/Lampcompliance_checklist.pdf

Pollution Prevention by Utilizing Green Chemistry (Fact Sheet)
www.epa.state.oh.us/ocapp/fomspubs/Available_20Online_20Docs/fact106.pdf

Online Pollution Prevention Training Update

OCAPP has added two presentations to its online P2 training Web page:



Pollution Prevention Via Green Chemistry

To help Ohio EPA staff and businesses identify pollution prevention and cost saving opportunities through green chemistry.

Foundry Pollution Prevention Training

From OCAPP and the Division of Hazardous Waste Management. To help Ohio EPA staff and businesses identify pollution prevention and cost saving opportunities in foundry operations.

To access these, visit www.epa.state.oh.us/ocapp/p2/onlinep2training/onlinep2training.html.

2006 Most Valuable Pollution Prevention Award Winners



The 2006 recipients of the National Pollution Prevention Roundtable's (NPPR) Most Valuable Pollution Prevention (MVP2) were recognized for their efforts at a ceremony in Washington D.C. in September. Congressional representatives met with award recipients from their states following the ceremony. Collectively, award winners:

- reduced pollution by eight million pounds;
- conserved more than 500 million kWh of electricity;
- reduced water use by more than 200 million gallons; and
- cut operating costs by more than \$6 million.

The winners include government agencies, non-profits, industries and individuals demonstrating significant accomplishments in pollution prevention (P2). U.S. EPA's Office of Research and Development (ORD) in Cincinnati received an award for their research on thermo-diffusion of zinc coating, discussed in the following article.

U.S. EPA ORD Cincinnati / UnStain North America LLC *Thermo-Diffusion of a Zinc Coating*

The process of thermo-diffusion of a zinc coating is a newer process that forms a zinc alloy with the substrate. The process is designed to coat steel and cast iron fasteners and small and medium-sized items, including

threaded items. The technology developers claim that:

- (1) the coating will adhere to lightly rusted (oxidized) parts and/or those with light oils without pretreatment;
- (2) the corrosion protection is two to four times higher as compared to competitive processes such as hot dip galvanizing and electro-galvanizing; and
- (3) the process is environmentally friendly, being a near zero discharge process.

U.S. EPA inspected parts from a thermo-diffusion plant in Johannesburg, South Africa, as well as from UnStain North America, LLC, and parts zinc-coated with other methods. U.S. EPA concluded that original parts going through the thermo-diffusion process **do not** have to be replaced or reworked as frequently, reducing pollution and manufacturing costs. Pollution discharges from the process are also reduced because 90 percent of the parts can skip the pre-treatment step. There are minimal to no air emissions or water discharges and all sludge is recycled back into virgin product. The corrosion resistance was evaluated by U.S. EPA and was superior to traditional zinc coatings.

For more information about the MVP2 awards, visit NPPR's Web site at www.p2.org/p2week/2006Winners.cfm.

Change A Light, Change The World

You don't have to be a superhero to change the world. By changing a single frequently used light bulb in your home to an Energy Star qualified bulb and fixture, you can prevent the release of more than 450 pounds of greenhouse gas emissions and reduce your utility costs by \$30. If that sounds good to you, then join the Change a Light, Change the World campaign.



This annual campaign, sponsored by U.S. EPA and the Department of Energy (DOE), promotes common-sense conservation measures and asks consumers to pledge their commitment to buy and use products that have earned the Energy Star label.

Energy Star qualified bulbs and fixtures use one-third the energy of traditional models and last up to 10 times longer. If every American household changed a single light bulb to an Energy Star bulb, it would save enough power to light more than 2.5 million homes. If each of those households replaced five of the most frequently

used lights or bulbs, it would result in a total savings of \$6.5 billion each year in energy costs and would prevent greenhouse gases equivalent to the emissions from more than 8 million cars.

Energy Star label products save energy and prevent greenhouse gas emissions by meeting strict energy efficiency guidelines set by EPA and DOE. In addition to lighting, thousands of other products from appliances to heating and cooling systems carry the Energy Star label.

To find out more, and to pledge your commitment, visit the Energy Star Web site at www.energystar.gov/.

Need Help?

Ohio EPA's Office of Compliance Assistance and Pollution Prevention is a non-regulatory program and one-stop location for information about environmental requirements, compliance concerns and pollution prevention. Services are free. Contact us at (800) 329-7518 or (614) 644-3469.

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