

Canada begins implementation of new Pollution Prevention plan

The new Canadian Environmental Protection Act (CEPA 1999) provides new authority to the Minister of the Environment for the preparation and implementation of pollution prevention (P2) plans for toxic substances. The list of 45 toxic substances is referred to as the CEPA Schedule 1 Toxics list.

CEPA 1999 also requires the Ministers of the Environment and Health to establish a Priority Substances List (PSL). The PSL identifies substances to be assessed on a priority basis to determine whether they pose a significant risk to Canadians or to the environment. The selection of Parties needed to implement P2 plans will depend on the nature and risks from the substance they use or store on site.

The initiative is designed to prepare and implement individual, site-specific P2 plans. Environment Canada will issue a model P2 plan for guidance purposes. The model P2 plans will be based on generally accepted P2 planning principles. These principles may include:

- senior-level sign-off and accountable manager
- clear objectives and timeframes
- comprehensive review of all management and production activities related to the substance

- identification, analysis and selection of P2 and other options
- implementation of selected option(s); measuring, tracking and evaluation of progress
- continuous improvement.

All documents issued or received by Environment Canada under CEPA 1999 will be placed on the Environmental Registry for facilitating access to documents relating to matters under the Act. The Registry can be found, along with the Schedule 1 Toxics list, on the Internet at: www.ec.gc.ca/CEPARRegistry.

WMRC spreads ADOP²T message

Tim Lindsey, Manager of the Pollution Prevention Program at the Illinois Waste Management Research Center (WMRC) presented his research in June on Accelerated Diffusion of Pollution Prevention Technologies (ADOP²T) to a group of pollution prevention assistance providers in Minnesota. Following the presentation, a discussion forum was held with those in attendance. The ADOP²T strategy advocates moving beyond traditional technical assistance approaches of outreach, education and resource development to hands-on-pilots and demonstrations. For information contact Tim Lindsey at WMRC, (217) 333-8940 or e-mail him at tlindsey@wmrc.uiuc.edu.

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Michigan auto makers going Green in their manufacturing

Michigan's auto industry - General Motors Corporation, DaimlerChrysler, and Ford Motor Company - all are making strides toward environmental excellence.

- General Motors Corporation recently announced its intention to eliminate polyvinyl chloride plastic (PVC) from its auto interior panels worldwide. If successful, it will be the first carmaker to eliminate PVC's from interior panels.
- DaimlerChrysler, together with BASF - the paint manufacturer, and Durr - the paint booth manufacturer, developed an entirely new finishing process that uses a powder slurry clear coat. Today this system represents the world's most environmentally friendly passenger car body painting process.
- Ford was the first U.S. auto manufacturer to require ISO 14001 environmental management system certification of all of its suppliers with manufacturing facilities. Currently Ford offers ISO 14001 training to all interested suppliers and also makes available the "Design for Environment" course developed for training its own technical personnel.

For details regarding this initiatives or other activities within Michigan's Auto Pollution Prevention Project, contact Marcia Horan at 517-373-9122, or by e-mail at horanm@state.mi.us.

Lake Huron Initiative plan announced

The Michigan Department of Environmental Quality's Office of the Great Lakes has introduced the *Lake Huron Initiative Action Plan*. The plan was developed together with various state, provincial, federal and local agencies, and interest groups. It identifies Lake Huron priority issues and future issues necessary to ensure a sustainable watershed. Its key focus is on critical pollutants & use, fish and wildlife habitat, and biodiversity. For information contact Jim Bredin, Office of the Great Lakes at 517-335-4232. The plan can be found at www.deq.state.mi.us/ogl/huron.html.

Pollution Prevention Resource Exchange (P2Rx) Update

Deb Jacobson, GLRPPR Executive Director and Jini Cook, P2Rx Coordinator attended the summer meeting of the P2Rx Regional Center directors in Missoula, Montana. The meeting was held in conjunction with the SBO/SBAP Annual Conference.

- Discussion and implementation steps were outlined for the Topic Hub Project.
- The Topic Hub Project is a web-based guide designed to provide technical assistance providers with easy to locate and understand background information on an industry or topic to the resources specific to a particular subject. It will include national and regional demographics and an annotated list of links to the best resources available for P2 information. A model was developed by P2RIC, Region 7 center, and is currently under final review and revision. The model can be seen at <http://www.p2ric.org/special/index.cfm>
- Thirty two topic or sector areas were identified by the P2Rx centers to be developed in the first year. These topic or sectors were identified to be areas of significant environmental compliance and where abridged industry or process information and collections of high quality and current P2 resources from each state or region do not exist. GLRPPR has already begun to collect documents and other

resource information about the topics we committed to focus on - mercury, P2, regulatory integration resources, and printing.

P2Rx is in the process of developing a Programs Database. This database will allow users to find the correct program in a given state based on the environmental problem encountered. The database will draw from the existing GLRPPR programs database on the GLRPPR web site as well as other regional information center's databases.

In order to assure quality program information it is critical that you periodically review the database and provide GLRPPR staff with updated information. Please contact Sandy Broda at 217/333-8940 or sbroda@wmrc.uiuc.edu for more information on updating the contacts database on the GLRPPR site.

If you would like more information about the projects being undertaken by P2Rx or would like to review the list of 32 sector/topics that the centers will be developing within the next twelve months and the draft programs database please visit the web site at www.p2rx.org.

Pollution Prevention Incentives for States grants awarded

Minnesota was awarded as part of the Performance Partnership grants. Regulatory Integration is the word in Minnesota. The P2 staff will be part of the task force to develop the municipal separate storm sewer systems program and identify P2 opportunities. Minnesota Pollution Control Agency (MPCA) will also conduct a pilot to create the infrastructure to further P2 integration into compliance inspections. It will develop a toolkit for Enhanced Opportunities for P2 and Sustainable Activity at Remediation Sites, and create a variety of outreach documents. The P2 office will continue to provide site-specific assistance with the Environmental Review program, and Great Printers Project. Additionally, MPCA will develop and implement regulatory innovation experiments.

Purdue University Indiana Clean Manufacturing Technology Institute will be awarded a grant to do a variety of projects, including exposure to toxics, conducting emissions testing, and convening workshops. It will continue to conduct site assessments in partnership with Indiana Department of Environmental Management.

Illinois EPA will be awarded a PPIS grant to continue its work in providing compliance and P2 assistance in the Metal Finishers Strategic Goals Program. They have created a set of voluntary environmental targets with 24 Illinois metal finishers. With this new funding, IEPA will continue to provide on site technical assistance as well as work with the media programs to help them develop better compliance guidance materials.

University of Toledo, Ohio PPIS grant funds will be used for the Ohio Statewide Environmental Network. This network provides information and assistance to small and medium sized manufactures regarding techniques for multimedia P2 and energy efficiency. The grant will provide funds for coordination of the network, presentation of seminars and workshops, and targeting technical assistance.

The **Michigan Department of Environmental Quality's Environmental Assistance Division** will be awarded a grant to fund the state's initiative to provide technical assistance to small business chemical manufacturing industry. The P2 staff will work with the DEQ regulatory staff and retired engineers program to provide the assistance.

Wisconsin Department of Natural Resources' proposal is a collaborative effort with technical assistance providers and environmental organizations to implement a comprehensive pollution prevention program. This proposal seeks funds to create a web site to provide a portal to P2 activities in Wisconsin.

McKnight Foundation awards grant for outreach to Minnesota POTWs

The McKnight Foundation has provided the Minnesota Technical Assistance Program (MnTAP) with a \$75,000 grant to conduct outreach to publicly-owned treatment works and

industrial dischargers on the benefits of pollution prevention for reducing phosphorus, biological oxygen demand (BOD), total suspended solids (TSS), metals and water use. Six months into the project, MnTAP is demonstrating phosphorus reduction with 25 cities and 50 industries. For information contact Cindy McComas at (612) 624-4678.

Metal Finishing P2 Initiative

The Michigan Department of Environmental Quality (MDEQ) is partnering with the metal finishing industry, trade associations and municipalities in the Metal Finishing Pollution Prevention Initiative (MFP2I). The group is working closely with the Strategic Goals Program, a cooperative effort between the EPA and national metal finishing associations to "test new ideas" that are both bold and "common sense" in nature. MFP2I stakeholders focus on technical assistance; technical audits; financial assistance; compliance assistance; training through publications and workshops; and demonstration projects on pollution prevention techniques. For more information regarding the initiative or to join, please contact **Robert Jackson** of EAD at **517-373-2731**, or via e-mail at **jacksorc@state.mi.us**.

The Fine Print

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Mercury is still an environmental problem

Focusing on Mercury in schools

We have all seen the reports and the newspaper headlines about problems schools have had with mercury. There is still plenty of mercury sitting in schools according to spill incident reports from state and federal agencies. Focusing on mercury in schools can achieve all of the following:

- help educate students, teachers and administrators about the health hazards and environmental fate of mercury;
- promote the proper management and recycling of mercury and mercury containing products at schools;
- promote use of alternative products that do not contain mercury;
- prevent mercury spills and promote proper spill cleanup;

Information and educational materials about mercury and mercury in schools-including curricula, fact sheets, and activities - can be found at: www.mercury-k12.org

Great Lakes Dental Mercury Reduction Project

A cooperative effort funded by the Great Lakes Production Fund has produced a brochure: *Amalgam Recycling and Other Best Management Practices for Your Dental Practice*. The brochure is unique in that dentists, dental association staff, waste managers, and waste regulators collaborated to put together the information it contains. Most of the Great Lakes States dental associations have agreed to sponsor the re-printing and distribution of the booklet. The brochure describes step-by-step instructions on how to recycle amalgam waste that dental practices generate and contains a list of vendors that provide the recycling services. The collaboration group feels this will help dental practices reduce their environmental impact. The American Dental Association has indicated it may promote the distribution of the brochure outside the Great Lakes States also. For more information e-mail Tim Tuominen@wlssd.duluth.mn.us.

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Publication Will Help Businesses Green Their Supply Chains

U.S EPA's Environmental Accounting Project just released its latest product, *The Lean and Green Supply Chain: A Practical Guide for Materials Managers and Supply Chain Managers to Reduce Costs and Improve Environmental Performance*. This booklet illustrates the efficiency-enhancing opportunities that arise when companies incorporate environmental costs and benefits into mainstream materials and supply chain management decision-making. The booklet is available at the website: www.epa.gov/oppt/acctg._Printed copies can be obtained from EPA's Pollution Prevention Information Clearinghouse at ppic@epa.gov or by calling (202)-260-1023. Request document number EPA742-R-00-001.