



PREVENTION *quarterly*



Office of
Pollution Prevention

WINTER 1997

Governor Recognizes Eight for Outstanding Pollution Prevention Efforts



This Year's Recipients:

- Columbus Coated Fabrics (Borden Inc.)
- Chrysler Corp. Toledo Assembly Plant
- Chrysler Corp. Toledo Machining Plant
- City of Cincinnati Office of Environmental Mgt.
- Mahoning Co. Industrial Waste Minimization Project
- Miami Valley Regional Planning Commission
- PPG Industries - Delaware
- Wright Patterson Air Force Base Office of Environmental Mgt.

Criteria for selection of the Governor's Awards for Outstanding Achievement in Pollution Prevention include: the overall effort to reduce waste at the source, or recycle or recover materials; the program's innovation, cost effectiveness, and environmental benefits; ability of the program to serve as a model for others; and effectiveness in promoting prevention as the preferred long-term approach. In addition, the efforts should be voluntary and in advance of regulatory requirements, and the nominee should have a good environmental compliance record.

Participants in the *Ohio Prevention First* initiative receive additional consideration, and their membership enhanced their nomination. *Ohio Prevention First*, established at the request of Governor Voinovich, is a voluntary planning initiative seeking a reduction in pollution generated throughout Ohio. This initiative provides an important opportunity for Ohio organizations to take a leadership role in environmental protection without the need for additional regulatory mandates. Columbus Coated Fabrics, Chrysler Corp. Toledo Machining Plant, Chrysler Corp. Toledo Assembly Plant, City of Cincinnati Office of **(continued on page 3)**

Governor George V. Voinovich presented his annual awards for Outstanding Achievement in Pollution Prevention on September 18, 1996.

"This year's recipients have demonstrated strong pollution prevention programs which show

that good business and protecting the environment go hand in hand," said Governor Voinovich. "Ohio companies are continually taking action to stop pollution before it starts and enjoying the economic benefits that result."



Governor's Awards Winners

• **Columbus Coated Fabrics (Borden Inc.), (Franklin County)** for making tremendous strides in reducing toxic emissions and generation of hazardous and solid waste, and meeting its goal for U.S. EPA's 33/50 program. From 1987 to 1995, Columbus Coated Fabrics reduced Toxic Release Inventory volatile organic compound emissions by 93.5 percent. During the same time, the company reduced its creation of hazardous waste by 35 percent. From 1990 to 1995, solid waste was reduced by 66 percent. Since 1987, the company has eliminated more than 1,000 tons of various wastes and/or emissions, not including the 5.5 million pounds of PVC sent for off-site recycling annually.

• **Chrysler Corp. Toledo Assembly Plant, (Lucas County)** for implementing several pollution prevention programs at every level in its organization. Chrysler's pollution prevention policy is aimed at all employees. The company's programs foster the development of pollution prevention innovations and provide incentives and awards for pollution prevention activities. Three specific pollution prevention programs the company implemented have reduced volatile organic compound emissions and saved the company more than \$180,000.

• **Chrysler Corp. Toledo Machining Plant, (Lucas County)** for establishing a waste management team at the machining plant to facilitate pollution prevention efforts. Since its creation in 1990, the team has identified and implemented many projects that have reduced more than 137 million pounds of waste. This includes 79,000 pounds of toxic chemical releases; 73,000 pounds of hazardous waste; 135 million pounds of nonhazardous waste; 2.39 million pounds of general refuse;

40,000 pounds of emissions of volatile organic compounds and hazardous air pollutants; and 278,000 pounds of hazardous chemical usage. These reductions have saved the company more than \$1 million.

• **City of Cincinnati Office of Environmental Management, (Hamilton County)** for creating and implementing a comprehensive pollution prevention program. The program is committed to long-term pollution prevention strategies in internal municipal operations and for the Cincinnati community. Working with the Department of Public Works' Highway Maintenance Division, the office converted from solvent-based paints to waterborne paints for highway line striping. This eliminated the use of harmful cleaning solvents and the generation of hazardous waste. Working with the Institute of Advanced Manufacturing Sciences, they have completed pollution prevention assessments at 10 local businesses. In addition, they have implemented a comprehensive community outreach and education program to teach Cincinnati citizens about pollution prevention and waste reduction.

• **PPG Industries, (Delaware County)** for creating and implementing a long-term pollution prevention program focusing on eliminating waste at the source. From 1988 to 1995, the company's waste generation dropped by more than 8.6 million pounds. This is a 62 percent reduction. Through the same time period, hazardous waste was reduced by more than nine million pounds, a 64 percent reduction. These reductions were achieved while the plant's production increased by 42 percent.

• **Wright Patterson Air Force Base Office of Environmental Management, (Greene County)** for converting chemistry-based photographic processes at the base's multimedia center to a digital system. This conversion eliminated sanitary sewer discharges, air emissions, and the need to purchase hazardous materials and more than 150 supply items.

• **Mahoning County Industrial Waste Minimization Project, (Mahoning County)** for creating and implementing a project to provide free waste minimization audits focusing on reduction, reuse and recycling waste for industries in Mahoning County. In the first year, 23 companies were audited providing these companies with a potential total savings of over \$900,000. In addition, the audits potentially reduced the amount of solid waste generated by more than 113,000 cubic yards; this would be an 85 percent reduction.

• **Miami Valley Regional Planning Commission, (Montgomery County)** for creating and implementing the "Regional Ozone Action Program." This is a public education and outreach program developed to inform Dayton/Springfield area residents about ground-level ozone issues and how the general public's behavior can impact not only air quality, but also the region's economy.

For easy access to P2 information, visit OPP on the Internet :
<http://www.epa.ohio.gov/opp/oppmain.html>

New Process for Aluminum Industry Proposed Under NICE³ Grant

Alumitech Inc., Streetsboro, has proposed commercialization of a new closed-loop technology to use black dross and saltcake - waste streams generated in the aluminum industry. According to Alumitech, the technology will provide multiple benefits for the aluminum industry by processing what would otherwise go to the landfill into material inputs to produce value-added products. In addition to the direct benefits of converting a waste stream to valuable feedstock, there is benefit in reducing energy and

resource requirements for primary smelting of metals, mining and production of salts, and mining/processing ceramic materials.

Research, development, and pilot trials for the new technology have been completed, and Alumitech is now engaged in full scale process demonstration. Alumitech Inc., was awarded a \$400,000 grant from the National Industrial Competitiveness Through Environment, Energy, and Economics (NICE³) program to carry out the full scale process demonstration. NICE³ grants support new

processes and/or equipment that can significantly: (1) conserve energy and energy-intensive feedstocks; (2) reduce industrial wastes; (3) prevent pollution; and (4) improve industrial competitiveness. Companies receiving grants from NICE³ must be willing to share information on project results with others. NICE³ is administered by the Ohio Department of Development (ODOD), Office of Energy Efficiency. If you would like more information about the NICE³ program or to receive a grant application, please contact **John Greenway, ODOD, at (614) 466-2480.**

Free P2 Assessments

The Office of Pollution Prevention (OPP) offers on-site pollution prevention (P2) assessments to companies to find cost-effective measures to reduce wastes and pollution. During a P2 assessment, the facility is surveyed and evaluated to identify ways to reduce pollution at the source. A P2 assessment is not a compliance inspection; it is completely non-regulatory.

OPP assessments include:

- Evaluation of a pre-assessment questionnaire completed by the company. No confidential information is needed or wanted.
- An on-site survey of the facility by a team of pollution prevention specialists to examine processes and operations.
- Research and development of a written pollution prevention assessment report for the company identifying potential P2 options.

P2 assessments often identify opportunities to lower costs, increase productivity, and improve worker safety. OPP has several openings for on-site P2 assessments this year. For more information on OPP's P2 assessment services, contact **Jeff Lewis at (614) 644-2812.**

Governor Recognizes Eight ...

(from page 1)

Environmental Management, and PPG Industries Inc. are *Ohio Prevention First* participants.

A total of 161 companies participating in the program have reduced 1.37 billion pounds of hazardous waste, 308 million pounds of solid waste, and 113 million pounds of Toxic Release Inventory wastes, and have committed to reducing more by the year 2000.

The Governor's Awards have been coordinated by Ohio EPA for 10 years to demonstrate how pollution prevention can be good for both the environment and business. For more information, contact **Marcie Burrow of Ohio EPA's Office of Pollution Prevention at (614) 644-3257.**

U.S. EPA Waste Minimization/ Pollution Prevention Conference

U.S. EPA Region V will be presenting a Waste Minimization/Pollution Prevention Conference for generators of hazardous waste. The conference will act as a forum for exchanging waste minimization/pollution prevention information by focusing on "real world" solutions.

Technical sessions will focus on case histories from industry that describe successes in implementing waste minimization/pollution prevention principles, as well as overall program topics such as cost analysis, program development, and auditing.

The conference will be held on February 25-27, 1997, at the Westin Hotel in Chicago, Ill. An opening plenary session will be conducted at the start of the first day, followed by concurrent technical sessions throughout the remainder of the conference.

For more information, please call **(800) 221-3262** and leave a message. An EPA representative or contractor will get back to you promptly.

Loans for P2 Projects

Ohio EPA's Office of Pollution Prevention provides low-interest loans for small- to medium-sized facilities for pollution prevention projects. For more information, contact **Bill Narotski at (614) 728-1264**.



George V. Voinovich, Governor
Nancy P. Hollister, Lt. Governor
Donald R. Schregardus, Director

*Published by the Ohio EPA
Office of Pollution Prevention
Michael Kelley, Chief
Vanessa Smith, Editor*

Please direct your comments
and address changes to:
Vanessa Smith
Office of Pollution Prevention
Ohio EPA
P.O. Box 1049
Columbus, OH 43216-1049
(614) 728-1262
vanessa_smith@central.epa.ohio.gov

*Ohio EPA is an
Equal Opportunity Employer.*



**Office of Pollution Prevention
P.O. Box 1049
Columbus, Ohio 43216-1049**