



# PREVENTION *quarterly*

**OhioEPA**

Office of  
Pollution Prevention

SPRING 1998



## Ohio Chemical Council Awards Given to Four Companies

Equistar Chemicals (Fairport Harbor), The BFGoodrich Company (Akron), BP Chemicals (Lima), and PPG Industries, Inc. (Cleveland) received this year's Excellence in Responsible Care Pollution Prevention Awards. The companies' activities resulted in environmental benefit, technological improvement or resource conservation. Their efforts either are voluntarily and in advance of regulatory requirements, or an innovative response to regulatory programs.

Acceptable activities for the awards include overall efforts or outstanding projects to reduce waste generation, pollutant emissions or other releases at the source; recycle materials; or conserve energy. Source reduction efforts receive preference.

In addition, the nominations demonstrated the soundness of approach, rationale, scientific design, cost effectiveness of activities, and any measurements of success (e.g. emission reductions, competitive advantages; improved business, etc.)

Contact the **Ohio Chemical Council** at (614) 224-1730 for more information.

## Seven Companies Recognized for Outstanding Pollution Prevention Efforts

On behalf of Governor George V. Voinovich, Lt. Governor Nancy P. Hollister presented seven companies with the Governor's Award for Outstanding Achievement in Pollution Prevention on December 16, 1997.

"This year's recipients have demonstrated that effective pollution prevention programs are also good business," said Lt. Governor Hollister. "Ohio companies are continually taking action to stop pollution before it starts and enjoying the economic benefits that result."

The recipients of this year's awards were Lucent Technologies (Franklin County), Leonhardt Plating (Hamilton County), Ford Motor Company's Ohio Assembly Plant (Lorain County), The Timken Company (Stark County), Ashland Chemical's Cleveland East plant (Cuyahoga County), American Tool's two plants (Clinton County), and Navistar International's Springfield Assembly Plant (Clark County).

*(continued on page 2)*



Printed on recycled and recyclable paper



## Ohio's Material Exchange is Up and Running

The first issue of the Ohio Materials Exchange newsletter has been distributed to more than 10,000 businesses. The newsletter lists materials wanted and materials available.

Through the materials exchange, one company's "waste" becomes another's raw material. Examples of waste materials in the exchange include: surplus; overstock virgin products; obsolete and off-specification goods; by-products; expired products; and damaged materials.

The newsletter is distributed bimonthly and is free. To get on the mailing list call **(614) 644-2928**.

### Who uses the materials exchange?

- Architects
- Administrative assistants
- Buyers
- Chemical engineers
- Citizens
- Consultants
- Janitors
- Environmental managers
- General managers
- Procurement specialists
- Purchasing reps
- Recycling brokers
- Shipping clerks
- Storeroom managers

## Seven Companies Recognized for Outstanding Pollution Prevention Efforts

*(continued from page 1)*

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 ahead 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. Timken, Ashland Chemical, Ford Motor, and Navistar International are *Ohio Prevention First* participants.

Contact **Marcie Burrow** of Ohio EPA's Office of Pollution Prevention at **(614) 644-3469** for more information.

# This Year's Governor's Awards Recipients

## **Lucent Technologies (Franklin County)**

Lucent Technologies was recognized for replacing a flux used in its soldering operations that eliminated the need to use the solvent perchloroethylene. Lucent also installed new technology on soldering machines which resulted in a 70 percent decrease in volatile organic compounds from soldering operations. These efforts saved the company more than \$225,000 annually.

## **Leonhardt Plating (Hamilton County)**

Among this company's accomplishments were reducing its water usage from 23,000 gallons a day in 1993 to about 3,000 gallons a day currently. Leonhardt efforts resulted in savings of about \$5,000 yearly on its water bill and about \$10,000 in local discharge monitoring fees. The company also managed to maintain the same amount of production output while reducing chrome usage from 700 pounds to about 400 pounds a year.

## **Ford Motor Company's Ohio Assembly Plant (Lorain County)**

Ford Motor Company was recognized for: using water-based or low volatile organic compound cleaning solvents which save Ford about \$100,000 a year; reusing 2,600 steel drums for use in engine blocks for a savings of more than \$47,000; saving more than \$120,000 annually by improving the use of materials with approaching expiration dates to reduce disposal cost; and reusing shipping containers and recycling cardboard and wood which saved the plant more than \$225,000 in 1996.

## **The Timken Company (Stark County)**

The company was recognized for: operating two acid recovery plants in Canton and Wooster that recycle used sulfuric acid from the company's pickling operations and recovered a total of 5,224,760 gallons in 1996; recycling about 50 percent of the dust generated from an electric arc furnace; replacing of an oil-based rust preventative coating; and reducing annual hazardous waste releases by 4.1 million pounds and solid waste by 32 million pounds. Timken estimates annual savings from pollution prevention at \$4.2 million annually.

## **Ashland Chemical's Cleveland East Plant (Cuyahoga County)**

Ashland was recognized for: forming a team to determine all sources of waste generated at the facility and developing source reduction and reuse/recycle initiatives; reducing overall waste at the plant in 1996 by 15 percent as compared to 1995 levels, despite plant production increasing by 30 percent; and saving about \$12,000 in 1996 by reworking and using materials in production that, if not reworked, would have been disposed of as waste.

## **American Tool's two plants (Clinton County)**

The plants were recognized for: achieving a total reduction in hazardous waste generation of 95 percent from 1990 to date; accomplishing this through a combination of approaches, such as substituting more hazardous raw materials, maintaining equipment better, recycling, changing processes, and educating employees; and saving more than \$750,000 in disposal costs from 1990 to date.

## **Navistar International's Springfield Assembly Plant (Clark County)**

The company's accomplishments include: reducing air pollutants by 25 percent since 1993 by reducing or eliminating the toxic constituents in paint, solvent and raw materials which saved more than \$600,000; eliminating the use of lead in a primer promise in 1996 and saving more than \$125,000; designing truck engines that already meet year 2004 emission standards; and working with vendors and suppliers to design and implement reusable containers, which saves almost \$730,000 a year.

Visit OPP on the Internet at  
[www.epa.state.oh.us/opp](http://www.epa.state.oh.us/opp)

Do any of the following questions sound familiar?

- Do I need an air permit or water discharge permit for this process/equipment?
- How can I reduce my hazardous waste or solid waste disposal costs?
- I received a letter of non-compliance from the EPA — what do I do now?

## Help for Small Businesses

If you answered “yes”, to any of the questions to the left, the Ohio Statewide Environmental Network can help you sort through the maze!

Formed in 1996, the Ohio Statewide Environmental Network (OSEN) is a collaborative effort of economic development, technical and environmental service professionals from several state-funded organizations, including the Ohio Edison Centers, the National Institute of Standards and Technology/ Manufacturing Extension Partnership, the Ohio Department of Development, and the Ohio Environmental Protection Agency.

Many small businesses lack the resources and expertise to manage environmental issues. By taking advantage of existing environmental services offered in Ohio, OSEN can effectively provide such services to small businesses at a no-cost or low-cost basis.

Businesses contacting the Network through its toll-free number at **1-800-927-0436** can expect fast, confidential information and contact persons for further information and/or assistance. Additional information on the network is available at [www.epa.state.oh.us/opp/sen-01/sen-01.html](http://www.epa.state.oh.us/opp/sen-01/sen-01.html).

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

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

Published by the Ohio EPA  
Office of Pollution Prevention  
Mike 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) 644-3027  
vanessa.smith@epa.state.oh.us

Ohio EPA is an  
Equal Opportunity Employer.

