



PREVENTION *quarterly*



Office of
Pollution Prevention

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Update: The Department of Defense/ Federal Facility/Ohio Pollution Prevention Partnership

The Department of Defense/Federal Facility/Ohio Pollution Prevention Partnership was initiated in 1997 between the State of Ohio and selected military/federal facilities located in Ohio. The overall purpose of the partnership is to establish a forum to create a working relationship to promote and implement pollution prevention as the preferred strategy for protecting the environment, conserving resources, fostering community well-being and enhancing mission readiness at military and federal facilities in Ohio.



A formal charter delineating the vision, mission statement and goals was finalized in 1998 to gain upper-level management endorsement of the partnership. In 2002, the partnership completed a

number of activities to foster a pollution prevention ethic and awareness among installation personnel and to create incentives to identify and undertake pollution prevention practices. These activities included development of a compendium of “success stories,” performing pollution prevention assessments at two installations, recognizing successful pollution prevention programs at several military and federal facilities in Ohio, maintaining a partnership Web site and providing assistance to installations completing pollution prevention projects. For more information, visit www.epa.state.oh.us/opp/dod/dod.html.

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OPP's Onsite Technical Assistance

Onsite technical assistance involves a survey of a company's operations to identify and evaluate opportunities to reduce wastes and pollution. Companies can use onsite technical assistance to identify ways to reduce costs associated with waste generation and disposal. The Office of Pollution Prevention's (OPP) onsite technical assistance helps companies optimize the use of resources, minimize non-product related losses and increase productivity. OPP has provided onsite technical assistance for Ohio businesses since 1994.

During 2002, OPP provided onsite assistance to 21 businesses in Ohio, helping them reduce waste and improve efficiency.



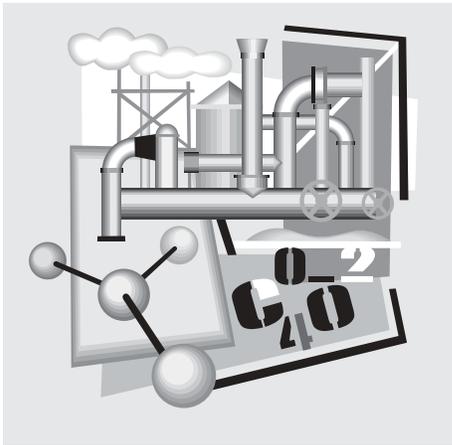
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These facilities ranged from industrial cleaners to metal finishers to automotive parts manufacturers. OPP also provided assistance to more than 400 other businesses through phone consultations, e-mails or written correspondence. In addition, OPP assisted more than 350 companies, individuals and organizations with pollution prevention projects and related items.

For more information, visit OPP's Onsite P2 Assistance Web page at www.epa.state.oh.us/opp/assst/onsiteasst.html.



Onsite Assistance Case Study

OPP helped a chemical company identify ways to optimize its polymerization process. The company could save \$180,000 each year if 10 percent optimization is achieved. Another opportunity involved improved solution preparation and filtration with an annual cost savings of \$9,500 and a reduction of 12,000 pounds of solid waste. Additional pollution prevention opportunities included minimizing the use of solvents in laboratory and maintenance activities, enhancing recycling and drum reconditioning efforts and completing an energy audit that could reduce energy usage by 25 percent or more and result in further cost savings.

2003 Most Valuable Pollution Prevention Award Winners

On September 16, 2003, The National Pollution Prevention Roundtable (NPPR) announced the winners of its Most Valuable Pollution Prevention (MVP2) awards. The awards are for federal, state and local government agencies, as well as non-profits and businesses that have demonstrated significant accomplishments in pollution prevention. The awards were presented at a ceremony in Washington, D.C. on September 17.

This year's recipients have combined to reduce the amount of hazardous and solid waste by 400 million pounds. In addition, the winners reduced energy usage by 300 million Kwh, and water usage by 200 million gallons. The cost savings to the organizations and their partners was \$70 million.

The National Pollution Prevention Roundtable is the largest membership organization in the United States devoted solely to pollution prevention (P2). The mission of the Roundtable is to provide a national forum for promoting the development, implementation and evaluation of efforts to avoid, eliminate or reduce pollution at the source. This is the 7th year that the MVP2 awards have been presented.

The 2003 MVP2 recipients

2003 Volunteer of the Year

Ken Zarker of the Texas Commission on Environmental Quality

MVP2 Overall Awards summary

Iowa Department of Natural Resources - Iowa Pollution Prevention Intern Program

The 12-week summer program places college graduate and upper-level undergraduate students in businesses and agencies to assist in identifying, evaluating and implementing ecological, environmental and economical solutions.

Ontario Centre for Environmental Technology Advancement - Toronto Region Sustainability Program

A multi-year program for small-to-medium enterprises and healthcare facilities in the City of Toronto for improving sustainable practices through P2 planning and eco-efficiency.

Michigan Department of Environmental Quality, Pollution Prevention Program - Retired Engineer Technical Assistance Program (RETAP)

RETAP is a P2 program operated by the State of Michigan to provide on-site technical assistance to public institutions and small businesses, focusing on reducing the amount and toxicity of hazardous waste. The program includes technology demonstrations and a student intern program.

City of Fort Collins, Colorado - Climate Wise Program

This project is a business outreach program that encourages greenhouse gas reductions by promoting pollution prevention, including energy efficiency and transportation reduction, on a voluntary basis.

West Michigan Environmental Action Council - West Michigan Sustainable Business Forum

A partnership between the WMEAC and any business in West Michigan interested in continuously improving environmental performance by implementing sustainable development principles. Forum members commit to surpass conformance to the law using compliance as a minimum standard, minimize total waste, develop and promote environmental awareness programs, and continuously improve.

US Army Corps of Engineers, Alaska District and Jacobs Engineering - Expanded/Foamed Asphalt Recycling Project Kodiak, Alaska

By using recycled contaminated material as a base course for road paving, this solution minimized waste streams, provided a remote Alaskan community with a paved road while decreasing remediation costs. Transporting the 31,500 tons of material by truck and barge to the nearest suitable landfill in the state of Washington would result in substantial fuel consumption and air emissions, as well as increasing ecological risk.



Naval Facilities Engineering Service Center; Port Hueneme, California - Cost-Effective Protection of Ground Water Resources from MTBE and Other Fuel-related Water Pollutants

This technology focuses on preventing pollution associated with the use of underground storage tanks. At one site, application of this technology led to documented cost savings of over \$30 million.

KSL (John Keene and KSL Heavy Equipment Shop Staff); Los Alamos, New Mexico - Auto Shop Pollution Prevention Improvements at the Los Alamos National Laboratory

The auto shop employees identified the root cause of the majority of oil leaks-failure of aluminum fittings. Replacing them with sturdier, although more expensive, steel ferrules resulted in over 70 percent fewer spills.

3M Company; Brownwood, Texas - 3M Brownwood Plant

The 3M Brownwood Plant has a successful history of proactive environmental management and stewardship. 3M Brownwood has significantly reduced air emissions through the development of solvent-free and water-based technologies. The plant has developed very successful energy conservation and recycling programs that emphasize the plant's commitment to conserve natural resources.

Sanmina-SCI Plant 432; Colorado Springs, Colorado - Less Hazardous Chemicals and Chemical Enhancements for Production, Maintenance and Janitorial Operations at an Electronics Manufacturer

Several P2 initiatives associated with chemistry were implemented at the plant resulting in the following improvements: 90 percent reduction in VOCs from 25 to 27 tons/month down to 5 to 6 tons/month; no spill pouring devices saved 10,000 square feet/year in total absorbent purchases and hazardous waste disposal is virtually eliminated; hazardous waste was reduced 95 percent.

Ortho-McNeil Pharmaceutical; Spring House, Pennsylvania - Solar Energy System

Ortho-McNeil installed a 75-kilowatt solar electric system, which covers 17,500 square feet of rooftop space and produces over 78,000 kilowatt hours per year. Power from the system is fed directly into the main electrical system and satisfies 1.4 percent of the total peak demand at the facility.

For more information regarding these winners, visit www.p2.org/p2week/2003Winners.cfm.

Find P2 information at the P2Rx

The pollution prevention resource exchange (P2Rx) is a consortium of eight regional pollution prevention information centers, funded in part through grants from the U.S. Environmental Protection Agency. These centers all provide pollution prevention information, networking opportunities and other services to states, local governments and technical assistance providers in their region. The centers represent a broad constituency, including state and local pollution prevention programs, manufacturing extension partnerships, cooperative extension and nonprofit organizations. The overall mission of P2Rx is to “improve the dissemination of pollution prevention information in the service provider community.”



To access peer-reviewed P2 information and expertise, specialized information for specific industries or topics, contacts and referrals to P2 experts, consistent and predictable formats for sharing P2 information and numerous other regional services, visit www.p2rx.org.

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