



PREVENTION *quarterly*



Spring 2003

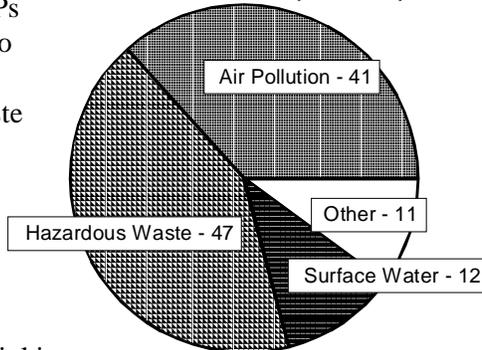
A Publication of Ohio EPA, Office of Pollution Prevention

Ohio EPA Pollution Prevention Supplemental Environmental Project Update

Ohio EPA has completed 111 pollution prevention (P2) Supplemental Environmental Projects (SEPs) in Ohio EPA enforcement settlements since 1991. SEPs are environmentally beneficial projects that a violator agrees to undertake when settling an enforcement action. P2 SEPs generally require a violator to reduce waste generation beyond what is required by law, and require a P2 assessment or project in exchange for a penalty reduction. P2 SEPs make Ohio's environmental enforcement more effective and help to achieve greater environmental gain.

Of the 111 P2 SEPs completed by Ohio EPA, 47 are from the hazardous waste program, 41 from air pollution, 12 from surface water and 11 from other environmental programs (e.g., drinking water, toxic release inventory, etc.). During federal fiscal year 2002, Ohio EPA incorporated 15 P2 SEPs into Agency enforcement settlements. This includes 6 in the air pollution program, 5 from hazardous waste, 3 from surface water and 1 from the Toxic Release Inventory program.

Ohio EPA P2 SEPs (111 Total)



Some examples of P2 SEP activity include: a door and glass manufacturer agreed to complete a pollution prevention study to identify source reduction and recycling opportunities in lieu of paying \$15,000

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toward the penalty for an air violation; a musical instruments manufacturer eliminated the use of trichloroethylene as a cleaning agent as part of Toxic Release Inventory settlement; and an electroplater agreed to install conductivity controls and complete other activities to reduce wastes from the plating line in lieu of paying a \$13,100 penalty as part of a hazardous waste settlement.

The Office of Pollution Prevention (OPP) works with Ohio EPA divisions and the Ohio Attorney General's Office (AGO) to incorporate P2 SEPs into current and upcoming settlement negotiations. OPP recently updated its Web site for P2 SEP information. The P2 SEP Web site includes guidance and case studies to facilitate Agency SEP use. OPP works with Agency enforcement staff to identify cases where P2 SEPs are appropriate, develop language for orders, provide technical information, and attend settlement meetings.

OPP regularly reviews reports from companies or organizations that are performing P2 SEPs and makes recommendations to them directly or through the responsible divisions. A database to track agency P2

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SEP use and results is maintained. Case studies that document the successful incorporation of P2 SEPs into enforcement settlements are developed. The case studies are used to encourage the use of P2 SEPs within the Agency and as examples of successful P2 projects for the business community.

Ohio EPA stands committed to increasing the use of P2 SEPs in Ohio enforcement settlements, which benefit the environment, the violating company and the Agency. For more information regarding P2 SEPs, please contact the Ohio EPA Office of Pollution Prevention at (614) 644-3469, use the Office's Web mail at p2mail@epa.state.oh.us or visit the Office's Web site at www.epa.state.oh.us/opp.

Build It Again Center

The Build It Again Center is a store that sells new and used donated building materials to the public to raise money for Greater Columbus Habitat for Humanity. Individuals, Contractors and Retailers donate new and used building materials which they sell to the public at low cost. One of their strong objectives is to keep re-useable building materials from going to the landfill. All donations to the Build It Again Center are tax-deductible. They also de-construct homes. Their volunteers will go in and strip a home to be demolished of everything that can be reused and resold. The Build It Again Center has already de-constructed four homes this year.

Items they sell and accept as donations include: doors, sinks, windows, tile, light fixtures, hardware, plumbing, paint, ceiling fans, cabinets, vanities, medicine cabinets, bathtubs, stair parts, and etc.

The Build It Again Center is located at:
3529 Cleveland Avenue
(614) 267-7778 ext. 25; Fax: (614) 267-6655
Tuesday - Friday 10 AM - 6 PM &
Saturday 10 AM - 4 PM
biac@habitat-columbus.org

U.S. Courthouse in Youngstown Honored by the White House

On April 22, 2003, Federal Environmental Executive John Howard announced the winners of the White House Closing the Circle Awards. The Youngstown Federal Building received one of these awards under the category of *Sustainable Design/Green Buildings* for achieving Leadership in Energy and Environmental Design (LEED™) certification.

The new Federal Courthouse in Youngstown, Ohio has received LEED™ certification by the U.S. Green Building Council. The courthouse is the first LEED™ certified building in Ohio and the nation's first federal courthouse to earn LEED™ certification. The LEED™ standards, developed by the U.S. Green Building Council, recognize buildings that are environmentally responsible, profitable, and healthy places to live and work. Case studies have shown that LEED™ can directly reduce building construction and operating costs through greater durability and enhanced occupant productivity. The LEED™ Rating System places great emphasis on energy and water management that can cut utility costs in half.

The Cleveland office of URS Corporation prepared the architectural, engineering, and environmental design drawings in conjunction with Robert A.M. Stern Architects of New York City. Dick Corporation was the construction manager. The four-story courthouse is approximately 50,000 square feet and houses the U.S. Bankruptcy Court, Internal Revenue Services, congressional offices, the U.S. Trustees, and the General Services Administration. Construction was completed in September 2002.

The courthouse, which incorporates regional architectural traditions and indigenous materials in the design of its interior and exterior, was planned for energy efficiency, ease of maintenance, and efficient space utilization and flexibility. Certification was achieved with the following design features.

Sustainable Site

- The site was formerly classified as a brownfield site
- 79,000 sq. ft. of previously paved area was restored and planted with native or adapted vegetation. All of the earth excavated from the project site was reused on site
- Impervious area on site was reduced 58 percent after development
- Located in Youngstown's Central Business District

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Water Efficiency

- ☑ Low-water plants are used on building site
- ☑ No irrigation is provided, reducing water usage significantly
- ☑ The estimated annual savings in water consumption is 1,100,000 gallons or the equivalent of a swimming pool the size of an NFL football field filled just over 3 feet deep

Energy & Atmosphere

- ☑ Courthouse was built, and is maintained and functioning as originally intended by commissioning specialists
- ☑ To reduce ozone depletion, HFC refrigerants are used in the chiller and water coolers and the fire suppression system uses no halon
- ☑ The project engineer estimates that, as a result of the sustainable design, the new facility's annual electrical savings will be nearly 10 percent and the annual energy savings (steam heat) will be about 22 percent

Materials, Resources, and Recycling

- ☑ Structural steel with 90 percent post-consumer recycled content was used
- ☑ Over 62 percent of building materials were manufactured locally
- ☑ Significant recycling efforts were achieved throughout the project - all concrete, steel and metal debris generated by the project was recycled - none of these materials were sent to a landfill

Indoor Environmental Quality

- ☑ Prior to occupancy, new filtration media were used to perform a two-week flush-out
- ☑ Carpeting is certified as a low-emitting material
- ☑ 75 percent of space is day-lighted

Innovation & Design Process

- ☑ Recognized by the LEED™ rating system for exemplary performance for the use of over 60 percent locally manufactured materials
- ☑ Building was selected by the U.S. Department of Energy, Federal Energy Management Program to receive technical assistance for commissioning

For more information regarding the Federal Building in Youngstown, visit www.ofee.gov/sb/youngstown.htm.

For more information regarding the White House Closing the Circle Awards, visit www.ofee.gov/whats/ctc_awards.htm.

GLRPPR 2003 Summer Conference

The Great Lakes Regional Pollution Prevention Roundtable (GLRPPR) will hold its Summer Meeting in Erie, PA, August 6-8, 2003. The meeting will be held at the Clarion Hotel and Conference Center, just minutes from Presque Isle State Park. One of the guest speakers will discuss the re-designation of Presque Isle Bay from an environmental area of concern to an area of recovery. Other highlights of the conference may include local tours of industrial and business interests and sessions on energy efficiency, technology/technical assistance partnerships and information outreach. A more detailed agenda and online registration form will be available in June on the GLRPPR Web site at www.glrppr.org. For more information, contact Debra Jacobson at djacobso@wmrc.uiuc.edu or (630) 472-5019.



LEED™ Registered Projects in Ohio

The following Ohio projects are using the LEED™ Rating System to meet their performance goals and have registered their intent to seek LEED™ Certification.

- Adam Joseph Lewis Center for Environmental Studies, Oberlin College; Oberlin
- Campus Life Recreation Center, University of Cincinnati; Cincinnati
- CARE Building, University of Cincinnati; Cincinnati
- Cleveland Environmental Center, 3500 Ltd Group; Cleveland
- Dolan Center for Science and Technology, John Carroll University; University Heights
- Doty & Miller Architects Offices, Doty & Miller Architects; Bedford
- Environmental Studies Laboratory, Oberlin College; Oberlin
- Geauga Center for Health and Wellness; Munson
- Honda Transmission Manufacturing Technical Center, Russells Point
- Howard M. Metzenbaum U.S. Courthouse, U.S. General Services Administration; Cleveland

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- Licking County Joint Vocational School, Newark
- MSB Rehabilitation, University of Cincinnati; Cincinnati
- Oatey Distribution Center, Oatey Supply Chain Services; Cleveland
- Student Life Center, University of Cincinnati; Cincinnati
- Swift Hall Renovation, University of Cincinnati; Cincinnati
- Tangeman University Center, University of Cincinnati; Cincinnati
- Van Wormer Renovation, University of Cincinnati; Cincinnati
- Varsity Village, University of Cincinnati; Cincinnati
- Youngstown Federal Building (U.S. Courthouse), U.S. General Services Administration; Youngstown

For more information about these projects, visit the U.S. Green Building Council's Web site at www.usgbc.org.

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Prevention Quarterly

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