



**Ohio EPA – Office of Compliance
Assistance and Pollution Prevention**

**OHIO EPA INVOLVEMENT IN
VOLUNTARY PROGRAMS**


Voluntary Pollution Control Workshop

Blackwell Hotel, Ohio State University

May 20-21, 2012

Presentation Outline

- I. Brief overview of OCAPP services.
- II. Previous voluntary environmental/pollution reduction initiatives.
 - A. Ohio Prevention First
 - B. Governor's Pollution Prevention Awards
 - C. Tox-Minus
 - D. Environmental Stewardship Awards
- III. Current initiatives – Encouraging Environmental Excellence (E3)



What is the Office of Compliance Assistance and Pollution Prevention (OCAPP)?

Office of Compliance Assistance and Pollution Prevention - HISTORY

Office Established on October 1, 2004

- Combined from three existing offices.
- Small Business Assistance Program (DAPC-CO).
- Small Business Assistance Office (CDO).
- Office of Pollution Prevention (CO).

Office of Compliance Assistance and Pollution Prevention - SERVICES

- Toll-Free Hotline (800-329-7518).
- Assistance with Permit Applications.
- On-Site Assistance.
- Partnership with Trade Organizations.
- Seminars and Conferences.
- Assistance Publications.

Office of Compliance Assistance and Pollution Prevention – SERVICES (2)

- Internet Resources.
- Newsletter.
- Advisory Panel.
- Regulated Community Input.
- Assistance Tracking and Evaluation.
- Financial Assistance Referrals.

Office of Compliance Assistance and Pollution Prevention - BENEFITS

- “One Stop” for Small Business Assistance.
- Expands Existing Assistance Efforts Statewide.
- More Interaction with Districts.
- Consolidation of Assistance Activities.
- Direct More Companies to P2.

Ohio Prevention First

Ohio Prevention First

- Began September 1, 1993.
- Gov. George V. Voinovich challenged “Top 100” companies on Ohio’s Toxic Release Inventory (TRI) to commit to comprehensive pollution prevention planning.
- 86 of 100 companies agreed to participate.

Ohio Prevention First – THREE OBJECTIVES

- To reduce the release of toxic chemicals and the amount of hazardous waste generated in Ohio by 50 percent by the year 2000.
- To encourage facilities to initiate or expand existing pollution prevention or pollution reduction practices through the development of comprehensive pollution prevention plans.
- To publicize the exemplary pollution prevention or pollution reduction efforts being made by *Ohio Prevention First* participants.

Ohio Prevention First – LEVELS OF PARTICIPATION

- PARTNERSHIP

- LEADERSHIP

Ohio Prevention First – PARTNERSHIP LEVEL

- Participants committed to implement specific pollution prevention or environmentally beneficial activities and to provide annual progress reports.
- Examples include: pollution prevention and/or reduction planning; establishing water and/or energy conservation programs; or establishing company recycling programs for paper and other materials.

Ohio Prevention First – LEADERSHIP LEVEL

Provided the following to Ohio EPA:

- Reduction pledge for the types of wastes and/or pollution deemed appropriate by the company.
- Signed pollution prevention policy statement from high ranking corporate official.
- Summary of previous and existing pollution prevention and/or pollution reduction efforts.

Ohio Prevention First – LEADERSHIP LEVEL (Cont'd.)

- Commitment from company to report all reduction achieved through pollution prevention activities separately from reductions made through treatment, energy recovery or other pollution control or pollution reduction methods.

Ohio Prevention First – GENERAL EXTRUSIONS INC., MAHONING COUNTY (1999)

- Aluminum extruding facility.
- Reduced toxic chemicals and metals by product substitution.
- Reduced process water usage in the anodizing department by converting from wet spray to powder coating.
- Saved \$1.4 million from the water program alone.



Governor's Awards for Outstanding Achievement in Pollution Prevention

Governor's P2 Awards - HISTORY

- Since 1986, Ohio EPA has coordinated the **Annual Governor's Awards for Outstanding Achievement in Pollution Prevention** to recognize efforts in reducing pollution through source reduction or the recycling of waste.
- The last awards were presented in 1999.

Governor's P2 Awards – OHIO EPA

DEFINITION OF POLLUTION PREVENTION

- **POLLUTION PREVENTION** is the use of source reduction techniques to reduce risk and, as a second preference, the use of environmentally sound recycling.
- Includes waste minimization, avoids cross-media transfers (of wastes and/or pollutants), and is multimedia in scope, addressing all types of waste and environmental releases to air, water, and land.

Governor's P2 Awards – CRITERIA (AS ESTABLISHED IN 1996)

- Activities should be true pollution prevention, not pollution control or treatment.
- Activities should show innovation, improvement in efficiency, and economic and environmental benefits.
- The nominee should show active promotion of pollution prevention as the preferred approach to protecting the environment and human health.

Governor's P2 Awards – CRITERIA, CONT'D.

- Activities should be voluntary and in advance of regulatory requirements, but could be a creative response to regulatory programs.
- The nominee should have a good overall environmental compliance record.
- The submission should be complete and provide adequate information to support the nomination.

Governor's P2 Awards – LEONHARDT PLATING COMPANY, HAMILTON COUNTY (1997)

- Family owned and operated electroplating job-shop in Cincinnati.
- Recognized for promoting pollution prevention in their Environmental Mission Statement.
- From 1993 to 1997, reduced water usage from 23,000 gallons per day to 3,000 gallons per day, resulting in a \$5,000 yearly savings.
- Reduced chrome usage from 700 pounds to 400 pounds a year.



Governor's Awards for Outstanding Achievement in Environmental Stewardship

Environmental Stewardship Awards – HISTORY/CRITERIA

- 2008 to 2010; presented by Governor Strickland or designee.
- Companies establish a sound track record of environmental compliance and commit to go above and beyond regulations to improve environmental performance.
- Companies develop a mature Environmental System (EMS) and integrate the EMS into their core business functions.

Environmental Stewardship Awards – CRITERIA, CONT'D.

- Companies create aggressive environmental performance goals.
- Companies communicate with the local community about program activities and progress toward performance goals.

Environmental Stewardship Awards – FRITO LAY, WOOSTER (2008)

- Formed an internal “Green Team” to drive both environmental compliance and environmental stewardship at work and in the community.
- Developed an internal Environmental Management System in accordance with ISO 14001 standards.
- Achieved the following reductions from 2004 to time of nomination: natural gas usage, 4.9 percent; water usage, 25.8 percent; and electricity usage, 13.9 percent.

Tox-Minus Initiative

Tox-Minus Initiative - HISTORY

- Implemented on September 18, 2007
- Ohio EPA Director Chris Korleski announced launching of voluntary program to encourage Ohio facilities to reduce pollutants released to the environment.
- Focused on 100 top toxic chemical reporters (based on the most current publicly available 2005 Toxic Release Inventory [TRI] data).
- Ohio ranks among the top states nationally for toxic releases to the environment.

Tox-Minus Initiative – KEY ASPECTS

- Significant step toward long-term goal of reducing toxic releases.
- Demonstrated how companies and Ohio EPA can cooperate to improve Ohio's environment.
- Voluntary participation.
- Ohio EPA's Office of Compliance Assistance and Pollution Prevention coordinated Tox-Minus.

Tox-Minus Initiative - IMPLEMENTATION

- Companies notified Ohio EPA by October 15, 2007, of their commitment to participate.
- Each company was to identify its own reduction goals for TRI emissions, and achieve those goals within a five year time frame.
- Ohio EPA recognized participants for outstanding environmental projects and summarized success stories and accomplishments through an annual progress report, media announcements, and a Web site.

Tox-Minus Initiative – IMPLEMENTATION (Company Commitment)

- By March 3, 2008 – Provided Ohio EPA with plan that outlines steps company will take to reduce emissions.
- *ANNUALLY* after March 3, 2008 – Provided Ohio EPA with a written annual report on accomplishments in reducing emissions.

Tox-Minus Initiative – IMPLEMENTATION (Ohio EPA Commitment)

- Continued to update tracking database and e-mail distribution list.
- Continued public recognition of participants.
- Meetings/outreach, as needed, to “Top 100” facilities not participating in the program.
- Completed statewide progress reports.

Tox-Minus Initiative – PREMIX INC., NORTH KINGSVILLE (2009)

- Developer, formulator and manufacturer of thermoset compounds and manufacturer of thermoset parts and sub-assemblies.
- Proposed to reduce air emissions and solid waste landfill disposal by investigating process changes.
- From 2007 to 2008, realized reductions in process emissions, disposal-related emissions and landfill-related emissions were: 27.01 tons to 25.30 tons; 12.81 tons to 8.82 tons; and 59.51 tons to 57.86 tons, respectively.



Ohio Encouraging Environmental Excellence Program (E3)

E3 Program - OVERVIEW

- Announced on November 7, 2011, and initial applications received on March 5, 2012.
- New program to recognize organizations committed to environmental excellence at all levels.
- Targets those who reduce waste, improve efficiency and work to continuously improve as an environmental steward.
- Three levels: Bronze, Silver, and Gold.
- <http://www.epa.ohio.gov/Default.aspx?tabid=5240>

E3 Program – BRONZE

BENEFITS

- Certificate of recognition signed by the Director.
- Listing on the Ohio EPA website.
- Program highlights published in the Agency's Compliance Assistance and Pollution Prevention Newsletter.
- A decal with the E3 logo to display at the applicant's location.

E3 Program – BRONZE CRITERIA

Bronze level participants must have demonstrated significant progress in one of the following main criteria:

- Impact to the Environment (Toxics and/or Waste Reduction); and/or
- Resource Conservation.

E3 Program – BRONZE CRITERIA, CONT'D.

Must demonstrate progress in at least SIX additional criteria:

- Environmental Management Systems
- Improvement in Environmental Performance
- Voluntary or non-Mandatory Initiative
- Economic Benefits

E3 Program – BRONZE CRITERIA, CONT'D.

- Employee Involvement
- Management Commitment
- Promotion and Dissemination
- Continuous Improvement
- Environmentally Preferable Purchasing
- Life Cycle Analysis
- Environmental Management Accounting
- Innovation

E3 Program – SILVER

BENEFITS

- E3 flag to hang at recipient's facility.
- Ohio EPA news release touting the entity's environmental accomplishments.
- Invitation to an awards ceremony and possibly a site visit by the Ohio EPA Director.
- A case study to publicize the recipient's proactive approach to environmental stewardship.

E3 Program – SILVER REQUIREMENTS

- Deadline to submit nominations was April 27, 2012.
- Adequate Detail.
- Indicative of Environmental Stewardship.
- Quantifiable.
- Comprehensive.
- Innovative.

E3 Program – SILVER CRITERIA

- Improvement in environmental performance.
- Good comprehensive environmental compliance record (one-year prior to the nomination deadline, and the period from the nomination deadline to the award presentation).
- Voluntary or non-mandatory initiative.

E3 Program – SILVER CRITERIA, CONT'D.

- Economic benefits.
- Impact to the environment.
- Resource conservation.
- Employee involvement.
- Management commitment.
- Promotion and dissemination.
- Continuous improvement.
- Environmental management system.

E3 Program – SILVER CRITERIA, CONT'D.

- Environmentally preferable purchasing
- Life cycle analysis.
- Environmental management accounting.
- Innovation.

E3 Program – GOLD LEVEL

- The **GOLD** level of the E3 program is still being developed. At this time, participants are not being accepted into the program.
- Businesses, however, are being solicited if they would like to provide input on the type of regulatory flexibility that would provide the most value for their operations.
- Eligibility criteria and *preliminary* list of regulatory flexibility options planned to be rolled out some time in July.

Questions?

Office of Compliance Assistance and Pollution Prevention

<http://www.epa.ohio.gov/Default.aspx?alias=www.epa.ohio.gov/ocapp>

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