

2000 Governor's Awards for Excellence in Pollution Prevention

Nine Hoosier businesses have been recognized for preventing pollution and doing their part to make Indiana a cleaner, healthier place to live and work.

Lt. Governor Joe Kernan and Lori F. Kaplan, commissioner of the Indiana Department of Environmental Management, presented Governor's Awards for Excellence in Pollution Prevention Wednesday at the third annual Indiana Pollution Prevention Conference and Trade Show.

"Every Hoosier has the right to a clean and safe environment -- at home and in the workplace," Kaplan said. "We all have a responsibility to preserve, protect and enhance our environment. These companies' pollution prevention efforts show that protecting Indiana's environment and supporting the industries that provide jobs for Hoosiers can go hand-in-hand."

A review committee representing industry, government, academia and environmental groups selected the winners in four categories: Pollution Prevention in Practice, Research and Development, Mentor and Energy.

Research and Development:

- **Naval Surface Warfare Center, Crane Division**: (Crane, Martin County) This southern Indiana facility reformulated colored chemicals in flares and smokes to eliminate carcinogenic substances. Crane estimates more 13 tons of carcinogenic material will be avoided in the next seven years.
- **Ingersoll-Rand Corp., Exit Device Division (Von Duprin)**: (Indianapolis, Marion County) Ingersoll-Rand eliminated copper cyanide in its plating operation, enabling it to eliminate 120,000 gallons of cyanide-bearing wastewater and 1,000 pounds of cyanide-bearing solids a year.

Pollution Prevention in Practice:

- **Criterion Catalyst**: (Michigan City, LaPorte County) This company substituted powdered alumina for **diatomaceous earth**, and redesigned its manufacturing process to a closed-loop recycling process, achieving product yield improvements and significant waste reduction. These changes saved the company \$182,700 a year and eliminates 400 tons of waste.

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- **Otis Elevator**: (Bloomington, Monroe County) Otis installed a **powder-based** painting system, reducing annual waste generation by 93 percent or about 13 tons. It also reduced volatile organic compound air emissions from the solvent by 43 tons from 1998 to 1999.
- **Reilly Industries Inc.**: (Indianapolis, Marion County) A manufacturer of organic chemicals, Reilly implemented a closed-loop recycling process to capture benzene. The change saves Reilly \$109,000 a year and reduces hazardous waste by 195 tons.
- **Styline Furniture**: (Huntingburg, Dubois County) This southern Indiana company reformulated its wood coatings, and now can use one coat instead of two. They also converted finishing operations, reducing the number of wash-off pieces. Styline previously complied with NESHAP (National Emissions Standard for Hazardous Air Pollutants) standards, but chose to go beyond what NESHAP requires. This project eliminates 26 tons of volatile organic compounds and saves the company more than \$37,000 per year.

Mentor Category:

- **Jasper Chamber of Commerce**: (Jasper, Dubois County) This is the first time a chamber of commerce earned an award. Through a grant from the Indiana Department of Commerce, the chamber helped train more than 1,000 wood manufacturing workers, enabling companies to comply with the new NESHAP rule.

Energy:

- **Primary Energy**: (Merrillville, Lake County) A NiSource subsidiary, Primary Energy builds and operates co-generation electricity plants. Through waste byproduct recovery and other efficiencies, Primary Energy has added more than 400 megawatts of electric capacity. That led to an annual reduction in emissions of more than 6,000 tons of sulfur dioxide, 5,700 tons of nitrogen oxides and 1.8 million tons of carbon dioxide.
- **Rolls-Royce Corporation**: (Indianapolis, Marion County) Over a three-year period, Rolls-Royce eliminated the use of coal and used landfill methane/natural gas in industrial boilers. Sulfur dioxide emissions were reduced by 1,200 tons a year and nitrogen dioxide by 29 tons. Methane gas emissions will be cut by 15,000 tons per year.

Honorable Mention:

- **Prodesign Composites**: (Middlebury, Elkhart County) This facility opened its doors to the Indiana Clean Manufacturing Technology Institute to evaluate the effectiveness of an operator training program for the fiber reinforced plastics industry. The tests

showed that styrene emissions can be reduced as much as 22.4 percent and overall employee exposure levels could be reduced by 24.8 percent.