

2001 Governor's Awards for Excellence in Pollution Prevention

[Alcoa Inc./Praxair Inc.](#)

Newburgh, Warrick County Contact: Scott M. Darling (812) 853-1141

Alcoa Inc. and Praxair, Inc. are receiving an award in the Research and Development category. Alcoa and Praxair researched, developed and tested a "High Yield Melting (HYM)" process on a prototype aluminum-melting furnace at Alcoa's Warrick operations. The testing demonstrated that the HYM technology could reduce nitrogen oxides emissions by 50 percent, natural gas consumption by 45 percent and waste metal generation by 85 percent. As a result of the tests, Alcoa is considering implementing the HYM technology at appropriate facilities around the world. Alcoa also submitted a second project that replaced a filtration system with a new distillation process that eliminated almost two million pounds of landfill waste annually.

[Altec Engineering, Inc.](#)

Elkhart, Elkhart County Contact: Jon L'hommedieu (219) 293-1965 ext. 225

Altec Engineering, Inc. is receiving an award for being Indiana's first manufacturer to utilize a new application system for the outer most coating of fiber reinforced plastic. Its work is on a full production basis. The new system uses a fanned stream instead of atomized spraying to apply the gel coat resins to an open-mold part. This new application system is an emission-reducing alternative to the much more traditional atomized gel coat application system. Emissions testing carried out at the Indiana Clean Manufacturing Technology Institute at Purdue University demonstrated the new application system capable of reducing styrene emissions by more than 30 percent.

[BAE SYSTEMS Controls](#)

Fort Wayne, Allen County Contact: John Dimino (219) 434-5242

BAE SYSTEMS Controls is receiving an award in the Environmental Management System category. This company received its ISO 14001 registration in 1997 and has worked since that time to continually identify and implement innovative improvements. The green lights program, which was part of BAE SYSTEMS ISO 14001 efforts, resulted in a 44 percent decrease in energy demand for lighting. BAE SYSTEMS also implemented an automated board coating process and a nitrogen-blanketing wave soldering process that, when combined, resulted in a 3 percent reduction in waste.

[Flexible Foam Products, Division of Ohio Decorative Products](#)

Elkhart, Elkhart County Contact: Jerry Eagon (219) 294-7694

Flexible Foam Products, a national leader in flexible foam manufacturing, switched from the industry standard methylene chloride reliant process, to a toxic-free, carbon dioxide foam manufacturing process. The new process produces higher quality foam material, while completely eliminating methylene chloride

emissions. The newly implemented system will eliminate an average of 700,000 pounds of methylene chloride releases to the air in Indiana every year.

Indiana Air National Guard, 181st Fighter Wing

Terre Haute, Vigo County

Contact: Lt. Col. Paul F. Davis II (812) 877-5167

The Indiana Air National Guard, 181st Fighter Wing is receiving an award in the Energy category. The 181st Fighter Wing implemented a state-of-the-art energy conservation initiative that reduces the energy demands of the base by 21.7 percent, even though the base increased its building area by 23 percent. The initiatives included the use of variable frequency motor drives, new energy efficient building designs and a digital control system. The comprehensive system allows for load sharing, peak shaving and demand reduction initiatives that integrate the older buildings into a comprehensive facility-wide energy saving operation.

Nishikawa Standard Company

New Haven, Allen County

Contact: CoLette Schlegel (219) 493-7938

Nishikawa Standard Company is receiving an award in the Environmental Management System category. This company received its ISO 14001 registration in December of 1999 and has reduced its hazardous waste by 68 percent, hazardous air pollutants by 70 percent and non-hazardous air pollutants by 55 percent while increasing the amount of rubber produced by 32 percent. These accomplishments were realized through the development and continual improvement of its Environmental Management System, which included improvements to the die development process through computer aided design, improvements to the rubber extrusion process, [elimination of solvent based coatings](#) and enhanced employee training.

Reilly Industries, Inc.

Indianapolis, Marion County

Contact: Ryan Pannell (317) 247-8141 ext. 6756

Reilly Industries, Inc. is receiving an award in the Energy category. Reilly implemented a comprehensive water conservation project that resulted in significant energy savings. The project involved the collection and return of steam condensate from five of the eight production units at Reilly's Indianapolis plant. The project resulted in an almost 33 million gallon per year reduction in city water use and wastewater discharge, which enabled Reilly to reduce nearly 50 billion BTUs of energy consumption. The energy use reduction translates into a reduction in fuel oil usage by almost 100,000 gallons each year.

2001 Honorable Mention

Grissom Air Reserve Base

Grissom ARB, Miami/Cass Counties Contact: Gary Belconis (765) 688-4595

Grissom Air Reserve Base is being recognized for a large-scale energy conservation retrofit of the lighting and heating systems for about 80 percent of the base.

Sabin Corporation

Bloomington, Monroe County

Contact: Jenny Persfull (812) 323-4500

Sabin Corporation is being recognized for establishing an Environmental Management System that reduces the amount of energy needed to run its facility and for implementing several pollution prevention initiatives.

Wayne Metal Protection Company, Inc.

Fort Wayne, Allen County

Contact: Brendan Clemens (219) 426-8008

Wayne Metal Protection Company, Inc. is being recognized for establishing an Environmental Management System that reduces the amount of water flow to its electroplating rinse tanks and decreases the metal discharged to the sewer.