



National Pollution Prevention Roundtable

2009 MVP2 Award Recipients



Volunteers of the Year

Robert Jackson, Michigan Department of Energy Labor & Economic Growth

Robert has been a board member since 2006. He is the current Chairman of the Board and served previously as the Board Secretary. He also has been instrumental in helping NPPR address fiscal concerns and long-term partnerships with other organizations.

Thomas Vinson, Zero Waste Network

Thomas has been on the board since 2005 and was the lead on the Busan, Korea P2 Technical Assistance Project and the NPPR Strategic Plan. He is also a member of the P2 Results Task Force and is the Board liaison for the Lean manufacturing Discussion Group.

P2 Champion

Jean Waters, Pollution Prevention Resource Exchange (P2Rx)

Jean Waters has served as the National Coordinator for the Pollution Prevention Resource Exchange for over six years. In that capacity she has helped to advance a number of efforts of the Network while always focusing on how the Network can best serve the broader Pollution Prevention community and businesses. Beyond Jean's role as P2Rx National Coordinator, she provides leadership nationally on a variety of P2 issues.

Projects/Programs

U.S. DOE (Strategic Petroleum Reserve) & DynMcDermott Petroleum Operation Company

The SPR discovered that methane gas intrusion and geothermal heating had increased the vapor pressure of crude oil stored underground to a point where the gas would come out of solution at atmospheric conditions, resulting in the release of greenhouse gases and volatile organic emissions (VOC's) to the air. For this project a portable degasification plant was constructed to lower the vapor pressure of the crude oil stored at each SPR facility, thereby lowering the potential greenhouse and VOC emissions during a crude oil distribution at customer facilities.

East Metro Clean 'n' Press

This project focused on East Metro Clean 'n' Press reducing their carbon footprint and overall waste of a large dry cleaning and shirt laundry facility located in West St. Paul, Minnesota. Through equipment modification and upgrades, recycling programs and space and process heat exchange we were able to lower our impact on the environment.

Garlock Sealing Technologies - VOC Elimination Project

The result of this project is a new generation of sheet gasket styles for which Garlock is pursuing patents. In addition to a product process that does not emit VOC/HAP's, two long-time customer desires were fulfilled with the addition of superior anti-stick and improved branding. Both advancements address customer needs to quickly and safely remove gaskets from flanges and to accurately identify the correct product for use. A further environmental benefit is that the new gasket materials seal 20% better than the toluene processed predecessors. With this attribute Garlock customers reduce VOC pollutants and steam energy robbing fugitive emissions.

IBM Burlington - Performance Optimization and Increased Treatment at IBM's Waste Water Treatment Facility

IBM Vermont's wastewater treatment team routinely investigates optimization of the site's wastewater treatment process to ensure effluent quality and identify innovative technological solutions. These improvements have resulted in a yearly reduction in discharges of 45,500 pounds for the following four parameters: phosphorous, iron, total suspended solids (TSS), and fluoride. All are important for the receiving waters, the Winooski River and ultimately Lake Champlain, to maintain a high level of water quality. Phosphorous is a nutrient and its presence in Lake Champlain is a concern as the state strives to reduce phosphorous levels.

Kansas State University Pollution Prevention Institution

The KSU PPI's P2 intern program is a non-regulatory, summer program designed to link top-level engineering and environmental sciences students with business and industry. Collaborations focus on projects to reduce energy use, emissions, and wastes, which benefit a company's bottom line and the Kansas environment. Students work with a technical advisor from PPI and a host company to research E2/P2 projects.

Lubrication Technologies, Inc.

Lubrication Technologies worked with the Ford Motor Company to develop and test a cleaning product that works better than a solvent, contains less VOC's per gallon, improves worker safety, and is competitively priced. After 17 prototypes, a formula was developed that breaks the paint sludge bonds by separating the solvent from paint solids thereby causing it to work effectively and longer on more surfaces than originally intended. As a result, Ford Sludge Remover (FSR) reduced paint department costs both in product and labor, provided a more employee friendly product, and significantly decreased Volatile Organic Compound (VOC) emissions.

Publications

New Hampshire Department of Environmental Services

Making your Business Greener Workbook

Kentucky Pollution Prevention Center & Kentucky Institute of the Environment and Sustainable Development

Sustain Magazine, Fall/Winter 2008

Pollution Prevention Resource Exchange

2009 P2Rx Calendar



P2 Champion
Jean Waters



Jean Waters,
NPPR Executive Director
Jeffrey Burke &
Senator Mike Johanns



U.S. DOE & DynMcDermott
Petroleum Operation
Company
Rob Evers, Chad Bourgoin,
Bill Bozzo, Terry Baxter, &
James Wallace



East Metro Clean 'n' Press
Dan Klasen



Garlock Sealing
Technologies
Chris Rockwell



IBM Burlington
Ruma Kohli, Thom Jagielski,
Dave Kost, & John Limoges



IBM Burlington &
Congressman Peter Welch



KSU
Pollution Prevention Institute
Nancy Larson &
Barb Johnson



Lubrication Technologies,
Inc.
Punch VanGrasstek, Elise
Lindberg, & Rich Limpert



NH Department of
Environmental Services
Bob Mincucci



KPPC's
Lissa McCracken



P2Rx Coordinator
Jean Waters