



## National Pollution Prevention Roundtable

# 2007 MVP2 Award Recipients



### Volunteer of the Year

Cindy McComas, University of Minnesota, MnTAP

One of the founding members of the Roundtable, Cindy has been the Chair of the Board for the past two years, and was Vice Chair for two years prior to that. In the past year alone, she has: Worked on the 2007 and 2008 National Environmental Partnership Summit Planning Committee and Content Review teams; Participated on the NPPR Board Communications Committee, Membership Committee, and Financial Planning Committee; Represented NPPR at the Canadian P2 Roundtable, Mexican P2 Roundtable, and Western Regional P2 Network Conference.



Volunteer of the Year  
Cindy McComas and  
NPPR Executive Director  
Jeffrey Burke

### P2 Champions

James Riordan, Environment Canada

James' work and influence has not been restricted to within Canada and his reputation extends into the international realm of pollution prevention and sustainable consumption/production. He has developed strong relationships within the pollution prevention community across many US states and has been a strong supporter of the National Pollution Prevention Roundtable. James represents Canada in working relations with other countries and international organizations on issues of global environmental protection. He was involved in the establishment of the Roundtable for the America's for Cleaner Production.



P2 Champion  
James Riordan

### Projects/Programs

Green Institute - The Reuse Center & Deconstruction Services

The State Park Stewardship Initiative - Green Initiatives Team project has proven very successful at furthering pollution prevention in Michigan by increasing awareness among park officials of the consequences that their operation can have on the environment and their future operations, as well as serving as the first step in promoting pollution prevention to the 28 million people who visit Michigan's state parks each year.



MVP2 Project/Programs  
award recipient  
Green Institute

Hospira - VisIV Container

In April 2006, after several years of development, Hospira launched the VisIV™ flexible intravenous (I.V.) container – the first significant redesign of the I.V. bag in three decades. I.V. containers, which are commonly referred to as "I.V. bags," are used for the delivery of medications and solutions to patients by healthcare providers. The container results in approximately 40 to 70 percent less waste than other flexible I.V. containers, helping reduce hospitals' environmental impact and disposal fees.



MVP2 Project/Programs  
award recipient  
Hospira  
VisIV Container

IBM Burlington - Wafer Pattern Project

IBM Burlington's engineers designed a technique for removal of the proprietary patterns from product wafers through a novel process, allowing their reuse for solar cell manufacturing. Normal pattern stripping would involve the use of corrosive acids such as H<sub>2</sub>SO<sub>4</sub>, HF, HNO<sub>3</sub>, and Ozone. The new process avoids the use of corrosive chemicals, removing the pattern using an abrasive pad, water and slurry with the pattern materials coming off as a solid.



MVP2 Project/Programs  
award recipient  
IBM Burlington  
Wafer Pattern Project

New Hampshire DES - Green Yard Program

Reduced air emissions by thousands of tons each year (including reducing nitrogen oxide emissions by more than 75%, sulfur dioxide emissions by more than 95%, and mercury emissions by more than 90%) The NWPP is now one of the lowest-emitting biomass power plants operating in New England.



MVP2 Project/Programs  
award recipient  
New Hampshire DES  
Green Yard Program

Sappi Cloquet LLC - Energy Optimization Using Pinch Technology

The reduction of fossil fuel consumption has led to a significant reduction in air emissions (both criteria air pollutants and greenhouse gases). Assuming that the reduction in fossil fuel usage all comes from natural gas, the pinch project has resulted in a decrease of ~65 tons of criteria air pollutants and a decrease of ~50,250 tons of CO<sub>2</sub> emissions annually.



MVP2 Project/Programs  
award recipient  
Sappi Cloquet LLC

US Postal Services - North East Area's P2 Program

During 2006 the Materials Management Specialists in each of the Northeast Area's eight districts recovered assets through reutilization (cost avoidance), redistribution and maintenance transfers within the Postal Service. Their efforts achieved \$25,242,573 in recovered assets.



MVP2 Project/Programs  
award recipient  
US Postal Services - North  
East Areas P2 Program

Washington Ecology, WMS, Ross, PPRC - Lean Manufacturing & Environment

The project participants utilized pollution prevention strategies during the course of lean manufacturing implementation to reduce wastes, increase manufacturing efficiency, and streamline operations. From a pollution prevention standpoint, the projects achieved reductions in raw material use, energy and water consumption, solid waste and hazardous waste generation, air emissions, water use and wastewater discharges, and use of toxic materials. From a lean standpoint, additional savings accrued in increased productivity, reduced defects, better use of floor space, and labor efficiencies.



MVP2 Projects/Programs  
award recipient  
Washington Ecology,  
WMS, Ross, PPRC

### Publications

City of Dallas

*2005/2006 Annual Report*

David Duncan

*The Pollution Within*