

## P2Rx Topic Hubs: Guides to Quality P2 Resources on the Web

Bi-annual Update: Vol. 3, #2  
June - November, 2001

Peaks to Prairies has developed four "Topic Hubs" to identify existing pollution prevention resources on national topics that are also relevant to Region 8. Hubs are divided into sections covering basic information about the topic and point to a pertinent list of on-line resources: fact sheets, standards, articles, case studies, contacts, etc. Hubs developed by Peaks to Prairies include:

- **Residential Construction:** provides builders, designers, trade associations, developers and P2 assistance providers with an overview of issues to consider for "resource efficient" construction of homes.
- **Auto Body:** highlights the health, safety and profitability benefits of P2 for facilities that restore, repair, paint, and customize vehicles.
- **Clean Snowmobiles:** offers information on issues related to snowmobile operation, regulations, new technology, emissions, and safety.
- **Managing Community Growth:** describes the commonalities of P2 and sustainable development, and offers strategies for planners, developers and government officials to improve the quality of life within communities while cutting costs.

Find these topic hubs at: <http://peakstoprairies.org/topic hubs/>.

The hubs were developed as part of a national project of the Pollution Prevention Resource Exchange (P2Rx). P2Rx is a coalition of regional centers dedicated to improving national pollution prevention information dissemination in the service provider community. Other P2Rx Centers have developed hubs covering a wide range of topics including: Mercury, Green Procurement, Household Hazardous Waste, and Lean Manufacturing. Links to all topic hubs can be found at the P2Rx web site, <http://www.p2rx.org>.

Hubs are intended to be a collection of resources reviewed by the service provider community. You are invited to review and suggest additional resources for topic hubs where you have expertise. A resource rating utility is provided in each hub; just click on the "rate this link" icon beside the title of the resource. Hub authors would also welcome more general comments on the usefulness of information presented. Features in the works for the topic hubs are full-text search capabilities, a comprehensive user's survey and more topics.

### The Center...

- Offers access to current regional information and contacts
- Encourages regional collaboration and leveraging of resources
- Facilitates regional communication about activities and projects

### In This Issue...

- ★ P2Rx Topic Hubs: Guides to Quality P2 Resources on the Web
- ★ Region 8 P2 Roundtable
- ★ Wanted: Resource Efficient Homes
- ★ Holiday P2 Tips
- ★ P2 Network News from State Programs
  - Colorado:** Ski Industry P2 Project Hits the Slopes; and Energy Forum
  - Montana:** Environmentally Preferable Purchasing Training; and 2001 *EcoStar* Awards
  - North Dakota:** New P2 Coordinator
  - South Dakota:** P2 Partners Target Livestock Industry
  - Utah:** Olympic Spirit
  - Wyoming:** SAE Clean Snowmobile Challenge
- ★ Run a Clean Outfit!
- ★ New Resources
- ★ New Faces
- ★ Youth Education References
- ★ New NPPR Representative

## P2 Pocketbook

An easy-to-use pollution prevention reference guide from EPA and the Pollution Prevention Resource Exchange (P2Rx) is now available. **Why should you care about preventing waste?**--*The Pollution Prevention Pocketbook*, was written to help businesses, especially small businesses, learn how they can prevent waste and save money.

Help us get it into the hands of those that can use it most. Copies are available free of charge for distribution via the mail, meetings or seminars from the Pollution Prevention Information Clearinghouse at 202/260-1023 or [ppic@epa.gov](mailto:ppic@epa.gov) (refer to: EPA-742-E-01-001, *Why Should You Care About Preventing Waste?: The Pollution Prevention Pocketbook*). Two inserts are recommended, one listing Region 8 resources (ask for EPA-744-F-01-017), and another listing national resources (ask for EPA-744-F-01-023).

The Pocketbook is also available online at: <http://www.epa.gov/p2/>.

## New Hotel/Motel Resources

The Montana Pollution Prevention Program web-site has two new Hotel/Motel resources:

- **Energy Conservation Tips for the Lodging Industry (2001):** information on energy upgrade investments.
- **Pollution Prevention for the Lodging Industry: Housekeeping Best Practices (2001):** overview of environmental best practices.

Go to: <http://www.montana.edu/wwwated/publications.shtml#hosp> and click on "Lodging."

## More Holiday Tips:

### Seattle City Light

[http://www.ci.seattle.wa.us/light/conserv/cv5\\_hlt.htm#EnergyEfficiency](http://www.ci.seattle.wa.us/light/conserv/cv5_hlt.htm#EnergyEfficiency)

### Alliance to Save Energy

<http://www.ase.org/media/newsrel/archives00.htm>

### Environmental Defense

[http://www.edf.org/pubs/NewsReleases/1997/Dec/f\\_holiday.html](http://www.edf.org/pubs/NewsReleases/1997/Dec/f_holiday.html)

### The Center for a New American Dream

<http://www.newdream.org/holiday/>

## Region 8 P2 Roundtable

The 2001 Roundtable was held August 15-17, 2001 at the EPA conference facility in Denver, Colorado. Attendees included representatives from all Region 8 state P2 programs as well as personnel from EPA and several Colorado local government P2 agencies.

EPA hosted a kick-off luncheon where state and EPA personnel were able to meet and share projects. Christine Lehnertz, Acting P2 Program Leader and Jack McGraw, Acting Regional EPA Administrator and Head of the Innovative Action Council addressed the group in opening remarks. Paul Ferraro of the Colorado P2 Partnership spoke about partnership successes and Deanna Peterson of EPA demonstrated the new EPA measurement tool that state programs will use for activity reporting in the coming year. The Colorado P2 Program hosted a field trip to Arapahoe Basin to tour ski industry P2 projects and the Keystone composting facility.

State program reports can be found on the Peaks to Prairies web site at <http://peakstoprairies.org/roundtable/>. The 2002 Roundtable has again been scheduled in Denver (August 14-17, 2002) because it is easily accessible from all states and its many opportunities for value-added conferencing.

## Wanted: Resource Efficient Homes

Resource efficient homes strive to: conserve natural resources, minimize pollution and waste products, create a healthy environment for the occupant and reduce costs associated with maintenance, repair and utilities. Interest by designers, builders, trade organizations, financial institutions, local governments and consumers in such building practices is growing and new technologies and approaches are rapidly emerging. Peaks to Prairies is creating a web-based tool to collect and distribute resource efficient housing examples and references to local experts, including:

- ★ Real homes for real people - either custom homes or spec homes built to fill this new market niche
- ★ Demonstration homes - research-based projects built to measure the efficiencies of resource efficient building
- ★ State and local programs that specialize in resource efficient housing

The tool will feature consistent profile information for easy reference, virtual home tours, green-feature searchability, an opportunity to create reports on-line and referrals to local experts. If you know of a project or professional dealing with resource efficient housing in any of the Region 8 states, please contact Juliann Livingston at 406/994-3451 or [jlivingston@montana.edu](mailto:jlivingston@montana.edu).

## Happy Holidays and P2 Tips

The Peaks to Prairies Center wishes you a happy holiday season and offers the following tips for a less wasteful holiday:

- × If you are mailing gifts, use newspaper or real popcorn instead of plastic foam peanuts for cushioning.
- × Buy gifts that are durable, energy efficient ("wind up" or use rechargeable batteries), are recycled (antique/used), and recyclable.
- × Avoid products with a lot of packaging.
- × A gift has the same value whether it is wrapped in newspaper, cloth or wrapping paper (often bleached and heavily dyed). Use the comics for kids or the arts section for your favorite artist.



## Run a Clean Outfit!

Best practices for agricultural and vocational teaching labs have been compiled in a handy reference guide designed for teachers and other P2 team members to use when starting a pollution prevention plan for their areas.

Based on the web resource "P2 for Ag & Vocational Educators" (<http://peakstoprairies.org/voed/AuditMain.html>), the guide includes a checklist-style booklet with information on how to conduct a teaching lab self-audit, and area-specific information on prevent-

ing pollution, a poster with the "Top Ten" best practices and a Power Point display educators can use to build a pollution prevention team including administrators, students, teachers and maintenance personnel. *Run a Clean Outfit!* is available free of charge to educators in Region 8 by contacting Peaks to Prairies. The guide was developed with funding from EPA's Environmental Education Grants Program.

### New Faces--

**Juliann Livingston** is the new Residential Environment Specialist at Peaks to Prairies. Her background includes seven years of environmental experience in research, remediation and pollution prevention education. Juliann is focusing on projects dealing with P2 in residential construction, remodeling and demolition as well as weatherization and indoor air quality issues. She holds a Master's degree in Geographical Planning. She can be reached at 406/994-3451 or [jlivingston@montana.edu](mailto:jlivingston@montana.edu).

**Kirsten King** has joined the Colorado P2 Program as the Colorado Environmental Leadership Program Administrator. She can be reached at 303/692-3477 or at [kirsten.king@state.co.us](mailto:kirsten.king@state.co.us)

**Margo Griffin** recently joined the Colorado P2 Program as a P2 Specialist and will also help with the SARA Program. She can be reached at 303/692-2979 or at [margo.griffin@state.co.us](mailto:margo.griffin@state.co.us).

**Brian Spangler** has joined the Montana Department of Environmental Quality Business and Community Assistance Section as one of two Recycling and Market Development Specialists. He can be reached at 406/444-5307 or [bspangler@state.mt.us](mailto:bspangler@state.mt.us).

**Kent Belland** is North Dakota's new P2 coordinator. He can be reached at 701/328-5166, or [kblland@state.nd.us](mailto:kblland@state.nd.us).

## New On-Line Resources from Peaks to Prairies

<http://peakstoprairies.org/resources>

### Connected to the Earth: Environmental Health in and Around the Home

This Native American perspective on the Home\*A\*Syst program is a do-it-yourself risk assessment tool for homeowners to evaluate environmental and health risks in and around their homes.

### A Guide to P2 Week

This packet includes information and examples to help you make communities more aware of the many opportunities to prevent pollution and promote waste and source reduction during P2 week, annually the third week of September.

### P2 Success Story Compendium

A vehicle for cross-feeding successful pollution prevention case studies, initiatives and approaches implemented at Department of Defense facilities in Colorado.

### EnviroRangers P2 News

*In addition to current P2 News, EnviroRangers has compiled a 12-month collection of jokes, quotes, amazing facts and interesting news clips. "It's funny," says one EnviroRanger. Call it Old News or call it News from Previous Months, use it as a resource or use it as a starting point; but read it! See: <http://www.montana.edu/wwwp2er> then P2 News, then Old News.*

## Youth Education References

Competition is a great motivator. Among the extensive EnviroRanger *References/Links* are the following competitions:

☆ *And Now, A Word From Our Planet (Population Education)*: Students in grades 6-12 are invited to write a 30 second radio ad script that shows the connection between human population pressures and environmental issues. Winners receive cash prizes

and will be aired on the radio. For more information about contest rules, guidelines and online submissions visit: <http://www.awordfromourplanet.org/index.html>.

☆ *National Junior Solar Sprint Program (US DOE)*: A classroom-based, hands-on program for 6th, 7th, and 8th grade students. Student teams apply math, science, and creativity to

construct model solar-powered cars and race them in interscholastic competitions. For more information see:

[http://www.nrel.gov/education/jss\\_special.html](http://www.nrel.gov/education/jss_special.html).

☆ *Envirothon (Montana's Conservation Districts)*: A competition based on knowledge of Montana's natural resources with a college scholarship as a prize. For more information see: <http://www.montanaenvirothon.org>, or contact [shonny\\_nordlund@mt.nacdn.org](mailto:shonny_nordlund@mt.nacdn.org).

Find more youth education references at <http://www.montana.edu/wwwp2er>, click on *References/Links*. Teacher-specific references can be found in the *Teachers & Youth Leaders* section under *References and Links*.

NON PROFIT  
ORGANIZATION  
US POSTAGE  
**PAID**  
BOZEMAN, MT  
PERMIT #69

## Region 8 State P2 Programs and Center Advisory Committee

### Colorado

Kirsten King, Department of  
Public Health and Environment  
email: [kirsten.king@state.co.us](mailto:kirsten.king@state.co.us)

### Montana

Mike Vogel, Montana State  
University Extension Service  
email: [mvogel@montana.edu](mailto:mvogel@montana.edu)

Lou Moore, Department of  
Environmental Quality  
email: [lmoore@state.mt.us](mailto:lmoore@state.mt.us)

### North Dakota

Kent Belland, ND Department  
of Health  
email: [kbelland@state.nd.us](mailto:kbelland@state.nd.us)

### South Dakota

Dennis Clarke, Department of  
Environment and Natural  
Resources  
email: [dennis.clarke@state.sd.us](mailto:dennis.clarke@state.sd.us)

### Utah

Sonja Wallace, Department of  
Environmental Quality  
email: [swallace@deq.state.ut.us](mailto:swallace@deq.state.ut.us)

### Wyoming

Steve Roseberry, Department  
of Environmental Quality  
email: [sroseb@state.wy.us](mailto:sroseb@state.wy.us)

## New NPPR Representative

Kirk Mills is the new Region 8 Representative to the National Pollution Prevention Roundtable (NPPR). NPPR provides a national forum for promoting the development, implementation, and evaluation of efforts to avoid, eliminate, or reduce pollution at the source. The National Roundtable Spring Conference, *Blazing the Trail to Sustainability*, is scheduled for April 2-5, 2001, in Portland, Oregon (<http://p2.org>, choose "Events").

Kirk has been involved in P2 since the late 1970's, including experience in business, consulting and at the Colorado State P2 Program for the last 2.5 years. In 16 years as an environmental engineer for 3M Company Kirk was involved with a wide variety of environmental issues in its "Pollution Prevention Pays" program. With the Colorado P2 program, he provides technical assistance to businesses, local governments and households; coordinates the Governor's P2 Challenge; manages a project to develop multi-media P2 guidance for the ski industry; and assists P2 integration into air, water, and waste programs in Colorado. In his "leisure" time, Kirk enjoys skiing, biking, and the occasional rock climb. Kirk can be reached at: 303/692-2977 or [kirk.mills@state.co.us](mailto:kirk.mills@state.co.us).

## About the Peaks to Prairies Center

The Center is operated by the Montana State University Extension Service and serves EPA Region 8 states-- Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming. As part of a non-regulatory, educational entity, the Center draws on resources of the land-grant system. The Center's goal is to protect the environment through pollution prevention and its major function is to serve as a networking tool for state and local governmental agencies, trade associations, educational institutions, consultants, and non-governmental organizations who serve small businesses.

<http://peakstoprairies.org>  
phone: 406/994-3451 fax: 406/994-5417

### Executive Director:

Michael Vogel  
[mvogel@montana.edu](mailto:mvogel@montana.edu)

### Program Coordinator:

Laura Estes  
[laurae@montana.edu](mailto:laurae@montana.edu)

### Residential Environment:

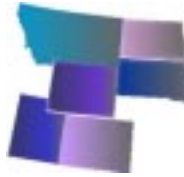
Juliann Livingston  
[jlivingston@montana.edu](mailto:jlivingston@montana.edu)

### Resources/EnviroRangers

Joanne Wilke  
[ewilke@montana.edu](mailto:ewilke@montana.edu)



Peaks to Prairies is a member of the Pollution Prevention Resource Exchange (P2Rx), a national coalition of pollution prevention information centers representing all ten EPA regions. Through P2Rx, centers bring regional networking to a national level, exchange information and build on each others' ideas. Support for Peaks to Prairies is provided by the U.S. Environmental Protection Agency and the state programs listed on the left.



## P2 Network News from State Programs

### Colorado:

#### Ski Industry P2 Project Hits the Slopes

What are the biggest environmental impacts of a ski area and how can they be reduced? How can snowmaking be done more efficiently and cost effectively? Can hazardous waste generation be eliminated? The Colorado Department of Public Health and Environment, in partnership with two Colorado ski areas and Tetra Tech EM Inc. have been studying these and similar questions and implementing solutions in real life situations for the past two and a half years.

Funded by the U.S. Environmental Protection Agency, the project has looked at many ski area operations including vehicle and lift maintenance, waste reduction and recycling. Now they're ready to share their results with other ski areas. Besides creating a sector notebook (on-line next year), they will conduct training workshops at the National Ski Areas Association (NSAA) winter convention in The Canyons, Utah, January 14-16, 2002.

For more information contact Kirk Mills at (303) 692-2977 or [kirk.mills@co.state.us](mailto:kirk.mills@co.state.us).

#### Energy Forum

Colorado Pollution Prevention Partnership, the University of Colorado at Denver, the Colorado DPHE, and the Governor's Office of Energy Management and Conservation sponsored a forum on energy technologies November 1. Topics addressed included cogeneration; distributed power, including fuel cells and microturbines; bioenergy; and energy efficiency. About one hundred twenty people attended from government, businesses, and academic institutions.

### Montana: Environmentally Preferable Purchasing Training

The Montana Pollution Prevention Program, in partnership with the Department of Environmental Quality P2 Bureau, presented a four-hour training on Environmentally Preferable Purchasing on November 16. The training was aimed at purchasing and contract professionals in state and local government agencies. The instructor for this training was Rob Guillemain, who implemented the State of Connecticut's EPP program while working at their Department of Administrative Services. Using the METNET interactive video network, the training was presented simultaneously at facilities in Helena and Bozeman, Montana. A copy of the training packet is on-line at [http://peakstoprairies.org/pdf\\_Files/EPPLocGov.pdf](http://peakstoprairies.org/pdf_Files/EPPLocGov.pdf).

#### 2001 EcoStar Awards

Montana Governor Judy Martz recently presented *EcoStar* certificates to the 2001 award recipients, at a reception in the Capitol Building. For more info visit: <http://www.montana.edu/wwwated/ecostarcurrentwinners.htm>.

### North Dakota: New P2 Coordinator

Region 8 and North Dakota welcome Kent Belland as the new North Dakota P2 coordinator. Kent introduces himself as follows:

"First of all I want it known that I'm a true blue North Dakotan. I was born in the state and raised on a farm. I graduated from North Dakota State University with a Degree in Soil Science. For 18 years I've coordinated EPA-funded Clean Lakes and 319 Watershed Projects within our fine state. I've also farmed and ranched within North Dakota and for

the past year I've worked for the North Dakota Department of Health in the solid waste program.

"I'm excited about my new position and assisting the state to jump start and expand its P2 program. Our goals are: building the state's P2 infrastructure; promoting P2 innovation at the community and state level; providing assistance for P2 training and education; and sharing information with other P2 programs within US EPA Region VIII. North Dakota's priority is further development and

implementation of Nutrient Management Plans (NMP's) to address proper management of livestock and other agricultural wastes. It's a tall order, but because the results are intended to strengthen the blue in our skies, water, and hearts I anticipate the work to be truly rewarding."

Kent can be reached by phone at 701-328-5166 or email at [kbelland@state.nd.us](mailto:kbelland@state.nd.us).

## South Dakota: P2 Partners Target Livestock Industry

Reducing pollution from South Dakota's nearly 30,000 livestock operations is a major activity of the South Dakota P2 Program. Livestock producers are provided with source reduction assistance using a coordinated strategy developed through a public-private partnership. Developed more than three years ago to maximize the delivery of livestock related pollution prevention and control assistance,

partners dubbed the strategy "Managing Manure for Profit and the Environment" to emphasize that the activities address source reduction using a holistic approach.

Project partners include livestock commodity groups, local conservation districts and watershed projects, South Dakota Lakes and Streams Association, South Dakota State University, USDA Natural Resource Conservation

Service and Resource Conservation and Development Associations, South Dakota Department of Agriculture and Department of Environment and Natural Resources' Surface Water Quality and Nonpoint Source Pollution Program.

Technical assistance targets all aspects of livestock production from grazing through animal feeding operations. Information transfer and outreach activities include exhibits at trade shows, educational materials, television program series, and workshops and field days for grassland managers and livestock feeders.

*For additional information about Managing Manure for Profit and the Environment, examples of print and visual materials developed as part of the strategy, or other South Dakota P2 activities, visit:*  
<http://www.state.sd.usdenrDFTAWatershedProtection/P2/P2.htm>.

## Utah: Olympic Spirit

Setting high standards is part of the Olympic spirit and the Salt Lake Organizing Committee (SLOC), in partnership with the Utah DEQ Pollution Prevention Program, is carrying that value into the realm of pollution prevention. Two 2002 Winter Olympics projects focus on waste reduction during the games and in the months and years to come.

**The Zero Waste Initiative** has three components: 1) Engineer the waste stream (only purchase products with components that can be reused, recycled or composted); 2) Collect all waste and recover what's possible for recycling; 3)

Compost whatever is left. An 85-90% recovery is expected, with remaining being composted. Not a bad blueprint for any business or household. Plus, the recovery facility involved in this effort will continue to serve the area long after the games are over.

**The Net Zero Air Emissions Goal** began with evaluation of all potential air emissions that might result from operating venues -- from ski lifts and temporary generators to automobile and airline travel to electrical and natural gas consumption. The estimated footprint of the games is 121 thousand tons of air emissions, mostly carbon

dioxide. SLOC worked with a commodities trader and local companies to collect enough emission offset credits to cover their footprint. During the 17 days of the games air emissions will remain at current levels but after that the credits are permanently retired resulting in an overall long-term reduction of air emissions in Utah. The companies involved were recently commended for their contributions.

---

*For more information about the games and on-going P2 efforts, visit <http://www.saltlake2002.com> or contact Sonja Wallace at [swallace@deq.state.ut.us](mailto:swallace@deq.state.ut.us).*

## Wyoming: SAE Clean Snowmobile Challenge

The SAE CSC 2002 is organized jointly by the Society of Automotive Engineers (SAE) and The Institute of Science, Ecology, and the Environment (ISEE). Advisory Board members include Howard Haines (Montana DEQ) and Steve Roseberry (Wyoming DEQ). The event has received broad support from DOE, EPA, National Park Service, snowmobile manufacturers and clubs, civic organizations and others.

The Society of Automotive Engineers (SAE International) has announced the third annual Clean Snowmobile Challenge (SAE CSC) for March 24-30, 2002 in Jackson Hole, Wyoming. The CSC is an intercollegiate design competition (part of the SAE's Collegiate Design Series), and features student teams designing snowmobiles that are cleaner, quieter, and more environmentally friendly, without significantly impacting the performance of the machines. Designs are also expected to be practical and cost effective. Scheduled events include: emission testing, acceleration, hill climb, cold start, handling, noise measurement, fuel economy/range event, and oral/written design presentation.

Seventeen universities from the U.S. and Canada are slated to compete this year including four Region 8 schools: Colorado School of Mines, Colorado State University, Montana State University, and University of Wyoming. Previous successful sled designs have varied, with both four-stroke and two-stroke entries winning the event and proving that good design and engineering can make either platform perform at a high level.

*More information is available on the web at <http://www.sae.org/students/snow.htm> or by contacting Steve Roseberry at 307/777-6105 or [rsroeb@state.wy.us](mailto:rsroeb@state.wy.us).*