

Distributing P2 Information in EPA Region 8

Peaks to Prairies launched a new web site this spring with more features and improved navigation to serve you better. Use the same URL to visit us: <http://peakstoprairies.org>. Email us with comments, submissions or questions at: information@peakstoprairies.org.

These are some of the new features:

P2 News Digest: Find current P2 headlines in the region: clicking on a headline takes you right to the on-line news article. News is gleaned from an extensive regional source list on a weekly basis. After one month, news items are archived by topic (like agriculture, construction, outdoor recreation, or small business) where they remain for a minimum of five months or as long as the link is not broken. The *News* page also links to current *Drought Information* and to previous *Peaks Newsletters* on-line. Find the *News* in the *Network* section of the Peaks homepage.

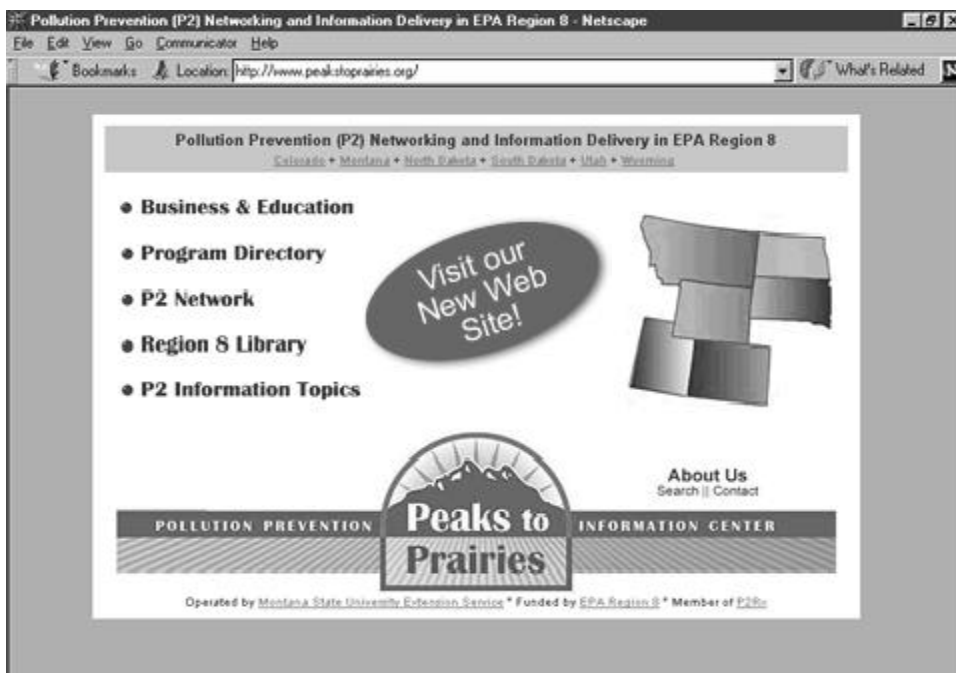
The Virtual Library: A searchable database of articles, reports, fact sheets, etc. published in EPA Region 8 states and available on-line. The virtual library allows businesses, assistance providers, and individuals to quickly locate quality, up-to-date information on waste minimization and pollution prevention on a variety of subjects. The *Virtual Library* can be searched by state, by publishing organization, by library

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The Center...

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

Residential Construction and Demolition (C&D) Waste Guide

The Peaks Center has been hammering to revise and enhance the *Residential Construction and Demolition Waste Guide*. All of the previous chapters have been remodeled and new ones have been added. Readers will currently find information on:

- √ C & D Characteristics
- √ Management Options
- √ Calculating Reduction Savings
- √ Waste Material Exchanges
- √ Recycling Equipment & Tax Incentives
- √ Gypsum Drywall and Wood Recycling
- √ Asphalt Shingle Recycling
- √ Managing Mercury In Buildings

More chapters will be built as the weather allows. Find the *Guide* under "Managing Waste" at The Residential Construction and Environment Webservice <http://peakstoprairies.org/p2bande/construction/>.



P2 Activities for Youth

<http://www.montana.edu/wwwp2er>

Now more than a resource for youth related P2 information and news, the *P2 EnviroRangers Web Club* offers 25 functioning on-line activities. Designed for youth and youth leaders; for classrooms, clubs, home-schoolers, or interested individuals, these hands-on activities relate to common life and make the concept of P2 real and attainable. From the *Earn Your Patch* section of the homepage, you can click on one of five topic areas to get to fun and sometimes mind-boggling activities.

From doing a shopping check-up, to making art from trash, to finding out where "away" is, visitors can choose an activity that interests them and forward completed activities to the Club moderator with a click of the DONE button. P2 is by nature an interdisciplinary study, and these activities integrate academic skills from reading and writing, to science, math, art, and even music; prompting learning about P2 in a way that sparks the imagination.

Think More, Use Less, Start Now!

New Peaks to Prairies Web Site: Virtual Library (cont'd from page 1)

category, or by a combination of these. Search results provide a document title, source name, and brief description of each document found. Click on the title and you go right to the on-line information!

The *Virtual Library* continues to add publication to help reduce duplication of effort, allow sharing among states and make pollution prevention resources easier to locate. You can submit publications to be included by using the on-line input form. Click on "Add Yours" in the *Virtual Library*.

Building channels for distribution and access to high quality pollution prevention information.

National Pollution Prevention Week: **Begin Now!**

Sept. 16-22, 2002: National Pollution Prevention Week (NP2W) is a time to promote the importance of pollution prevention (P2) as a new way of doing business. "Begin Now!" is this year's theme. The goal of NP2W is to increase P2 awareness of both the public and business people. It aims to highlight P2's potential for protecting the environment while also improving economic competitiveness. NP2W has also had the secondary effect of increasing levels of awareness and support among local government managers and elected officials leading to the continuance, expansion, and further development of local P2 programs.

P2 Week Resources and Ideas

Official 2002 National P2 Week Posters – a colorful 17" x 22" promotional tool.

The graphic artist for this year's poster is Anne Subercaseaux of the East Bay Municipal Utility District's Graphics Department in Oakland, California. Anne provided artwork for the posters for NP2W in 2000, 1998, and 1996. Contact Cristin Tighe of the National Pollution Prevention Roundtable at 202-299-9701 to order posters (\$5 each for NPPR members, \$8 for non-members).

You can download and print a smaller version from the California Department of Toxic Substances Control - Office of Pollution Prevention and Technology Development web page at: <http://www.dtsc.ca.gov/pollutionprevention/index.html>. Available mid-June, this site

provides many other helpful planning resources.

Imagine You Can: Guide to P2 Week Activities – contains activity suggestions, promotion tips, and templates for news releases. Produced by Peaks to Prairies, a pdf version with live links to many other resources is available at: http://peakstoprairies.org/pdf_Files/p2weekpromobook.PDF

NPPR Most Valuable Pollution Prevention Awards (MVP2) – recognizing outstanding, innovative pollution prevention projects/programs. Awards will be given September 18 in Washington, DC. Nominations and applications are due August 7. Print the application form at this web address <http://www.p2.org/p2week/appform.cfm> and fax or mail to NPPR.

ENERGY STAR® for Small Businesses & Congregations

Savvy business people know one of the best ways to make money is to save money. Managers of small businesses, associations, or non-profit organizations can cut operating costs and prevent pollution by reducing their energy consumption. ENERGY STAR can show them how.



The ENERGY STAR for Small Business web site (<http://www.epa.gov/smallbiz/>) contains tools like the Financial Value Calculator that quantifies what improved energy performance is worth and a free electronic newsletter. The site offers technical sheets, success stories and allows visitors to search for products, services and financial assistance for energy upgrades on-line. Businesses and congregations can also become ENERGY STAR partners by filling out a brief application. This no-cost, no-obligation relationship entitles them to the 100-page guide, *Putting Energy into Profits* (for businesses) or *Putting Energy into Stewardship* (for congregations), and free technical consultations.

If you know businesses, congregations or organizations that can benefit from ENERGY STAR, call 1-888-STAR-YES or visit the web site for more information.



Homes Across America: Comfort, Health, Efficiency and Durability

The Peaks to Prairies Center invites you to view a demonstration of *Homes*

Across America, featuring resource efficient homes in the U.S.

Resource efficient homes are those that:

- conserve natural resources,
- minimize pollution and waste products,
- provide a healthy environment for the occupant, and
- reduce costs associated with maintenance, repair and utilities.

Are P2 and compliance topics being offered in vocational school classes?

A questionnaire is being circulated to public and private, non-profit vocational and technical schools in the region to find out. Results will be summarized and published on the Peaks to Prairies web site along with highlights of successful efforts. If you know of schools offering associate's degree or certificate programs whose information should be included, please direct them to <http://peakstoprairies.org/p2bande/campus/>.

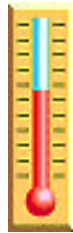
Almost 1,600,000 single- and multi-family residential units are built each year with the potential to impact health, environment, and resources. Users will be able to search home profiles to find both innovative and proven ways to build more efficient, lower-impact homes. Case studies showing obstacles, costs and benefits will also be presented. Experts behind the design and construction of the homes will be identified along with links to government, university and non-profit assistance providers within each state.

The Peaks to Prairies Center is currently collecting contact information for homes

and assistance providers and identifying funding to construct the database. *Homes Across America* is slated to be launched on the world-wide-web in early 2003.

Throughout the development process we will be soliciting your input to help us make this tool more useful. A demonstration of the project can be seen at <http://peakstoprairies.org/Homes/>. The site will guide you through an introduction, mock search and a home case study. Please contact us with any comments that you wish to share or with names of builders that you feel should be included in *Homes Across America*.

Mercury Resources



Mercury is of increasing concern. A searchable database of mercury reduction programs in the U.S. is available from NEWMOA, Region 1&2 P2Rx Center. Each profile provides a brief description of the project, its title, list of products affected, program results, sources of funding, and contact information. If your agency is working on mercury issues, you can add a program to the

database at <http://www.newmoa.org/Newmoa/hdocs/prevention/mercury/programs/>.

NEWMOA and the Great Lakes Regional Pollution Prevention Roundtable (GLRPPR) from Region 5 have produced a series of topic hubs on mercury issues. Topics include dental mercury, mercury in schools, mercury in health care facilities, and mercury thermometers/thermostats.

Pollution Prevention "Topic Hubs"



Topic Hubs are guides to pollution prevention information on subjects ranging from aerospace to textiles, mercury to green procurement. The Topic Hub collection was created by the P2Rx national network of pollution prevention information centers (<http://p2rx.org>) to provide quick answers to common questions about: why a topic is important, how a topic operates, what options for change are available, and who has expertise with the topic. Several new topic hubs have recently been launched.

Agricultural Teaching Labs – High schools across the country teach agriscience, helping students develop skills they will carry into their careers. This hub outlines the unique challenges and opportunities teaching facilities face in protecting health and safety of the

students, staff and environment. Produced by Peaks to Prairies.

Environmental Performance Measurement - Introduces measurement of environmental performance including: measurement concepts and different types of measures; basic steps and supporting information to develop a tailored measurement system; incentives and justifications for measuring environmental conformance and performance; actual models, tools, and case studies for using measured information. Produced by Pollution Prevention Resource Center (PPRC) in Region 10.

Textiles - The textile industry has historically been a large consumer of manmade, natural and human resources. Significant amounts of energy, chemicals, water and human labor are required to produce textile products. This hub offers a process map to pollution prevention for the industry. Produced by the Waste Reduction Resource

Center (WRRC) in Regions 3&4.

Electronic Waste – "E-waste" includes computers, monitors, microwaves, stereos, copiers and television sets discarded by both consumers and businesses. E-waste has become a national and international concern as volume continues to grow. This hub gives status reports on: CRT's, legislation, plastics, policies, and toxic materials. Produced by West P2 Net in Region 9, on-line in early June.

Environmental Management Systems (EMS) for Small to Medium Enterprises – This hub describes how an EMS works, why it is important and how it can be implemented to include pollution prevention. The resource collection identifies many guidance manuals and tools to assist with EMS. Produced by P2 Regional Information Center (P2RIC) in Region 7.

Topic hub authors welcome your feedback and invite you to submit resources to be included and referenced. Link to Topic Hubs from Peaks to Prairies; <http://peakstoprairies.org/topic hubs/> or from P2Rx; <http://p2rx.org>.

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Workshop on Tools & Approaches to Organizational P2 Planning

August 13-15, 2002; Denver, Colorado

This three-day workshop will focus on the new EPA publication, *An Organizational Guide to Pollution Prevention* (EPA/625/R-01/003). Tools are provided to assist organizations in developing a program or plan specific to their needs using several approaches to environmental planning. The workshop will provide information to help organizations get P2 programs started or to re-evaluate existing programs.

Two highly energetic and widely-known trainers, Bob Pojasek, President of Pojasek and Associates, and Cam Metcalf, Executive Director of the Kentucky Pollution Prevention Center, will be the trainers providing hands-on practical applications for information, fun, and profit. Facilitated group activities will introduce, encourage and promote the use of system-based tools to assess and shape environmental management planning.

US EPA's Office of Research and Development (ORD) and Region 8 are providing this training for you free of charge, but ask for a firm commitment for three full days in order to receive the full benefit. **Pre-registration is required.** More information is available at: <http://www.epa.gov/ttbnrmrl> or by calling Linda Walters at 303-312-6385.

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.

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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.



Colorado: Asphalt Partnership

The Colorado Department of Public Health and Environment (DPHE) Air Pollution Control Division and the Colorado Asphalt Pavement Association (CAPA) formed a cooperative partnership last year to more effectively address compliance issues in the industry. CAPA was interested in making compliance easier for its members and DPHE was interested in exploring cooperative ways to improve compliance and pollution prevention.

The partnership forged a multi-faceted approach including developing a general permit that will reduce batch plant permitting paperwork and processing time for plants -within certain production ranges and buffer zones. The inspection process was also modified. Participants received regular inspections with advisories but no enforcement actions were imposed. Of 66-plus facilities in the state, 44 participated. Most had compliance issues that they were given a chance to address. Inspections also looked at storm water and waste management compliance issues as well as pollution prevention. A third component of the program was a March compliance assistance training for operators.

This summer the partnership will begin assessing what has been accomplished and comparing costs and results with traditional enforcement approaches. An environmental management system (EMS) for batch plants and EMS implementation assistance are also in the works. DPHE hopes to make these available to companies this year so adoption success can be evaluated next year. Checklists and other documentation used in the project are available for states considering similar efforts. For more information, contact Kirk Mills at kirk.mills@state.co.us or 303.692.2977.

Montana: Lewis & Clark

In partnership with the Montana Tourism and Recreation Initiative (MTRI), the Montana P2 Program is developing a series of Lewis and Clark Bicentennial trading cards targeted towards youth and designed to complement MTRI adult materials. Featuring colorful images related to Lewis & Clark's travels on one side, the cards will also provide interesting facts and stories about the Montana they explored, as well as environmental stewardship messages focusing on P2 themes and issues like noxious weeds, wildlife habitat, and cultural resources.

The Montana Pollution Prevention Program, in partnership with the Pollution Prevention Bureau at the Department of Environmental Quality, will present a seven-hour workshop on *Pollution Prevention in Fleet Maintenance* on June 26, 2002, 8:30 a.m. to 4:30 p.m. The workshop is targeted toward vehicle fleet managers, maintenance supervisors, and technicians of businesses or organizations that maintain large numbers of motor vehicles. Topics to be covered include: successful use of aqueous cleaners; extension of oil life through oil

Ski Area P2 Workshop

The National Ski Areas Association, Colorado Ski Country USA, and the Colorado DPHE presented a P2 workshop for Colorado ski areas at Keystone, on April 11, 2002. The workshop summarized a three-year project, funded by EPA, to reduce environmental impacts in ski area operations. The workshop covered: the sustainable slopes assessment tool, performance measurement and reporting, purchasing, food and beverage service, lodging, grounds maintenance, buildings, sustainable design, lift operations, snowmaking, and vehicle maintenance. These pollution prevention opportunities are described in detail in the publication, *Greening Your Ski Area: A Pollution Prevention Handbook* available on-line at: <http://peakstoprairies.org/p2bande/skigreen/>.

Montana: P2 in Fleet Maintenance

analysis; reusable oil filters; antifreeze recycling; aerosol can alternatives; oil/water separators; environmental compliance issues, and alternative fuels.

The workshop will be broadcast to eight sites throughout the state via the Montana Education Television Network (METNET). The trainers will be John Katz and Leif Magnuson of EPA Region 9, who developed an extensive curriculum which has been widely adopted throughout the U.S. Contact Jon Hudson at jhudson@montana.edu or 406.994.3451 (toll-free in Montana at 1-888.678.6872).

North Dakota: Nutrient Management Efforts

North Dakota's agriculture community responded favorably to recent workshops on nutrient management and how to best manage waste materials like manure. Erosion of farmland and mishandling manure from livestock operations are the reasons why North Dakota's largest industry, agriculture, is suspected of being a major contributor of plant nutrients to the surface waters within the

state. To help reduce further deterioration of North Dakota's water resources, the North Dakota State Department of Health teamed up with the Cooperative Extension Service, the USDA Natural Resource and Conservation Service, and local Soil Conservation Districts to conduct four workshops this past winter. The workshops focused on helping farmers and ranchers understand why nutrient man-

agement plans for collection, storage, and land application of manure can be both economically valuable and environmentally responsible.

Farmers and ranchers attending the workshops were provided important information on the environmental impact plant nutrients have on water quality in

(continued next page)

North Dakota (continued)

the state, nutrients contained in livestock waste materials, and proper management and use of livestock manure. They were also shown that the use of agricultural residues can save their operations money by reducing the need for commercial fertilizers and improving soil health.

The workshops were well attended by producers and based upon the success of the workshop held this winter, similar programs are planned in the future. If you have questions, please contact Kent Belland at kbelland@state.nd.us or 701.328.5166.

South Dakota: Storm Water Source Reduction Workshop

Nearly 80 municipal, state, federal, and private sector storm water managers attended a Municipal Storm Water Source Reduction Conference in Spearfish, South Dakota, April 9-10. At the workshop, storm water managers from Colorado, Montana, North Dakota, South Dakota and Wyoming:

- gained an understanding of the Phase II storm water regulations,
- learned about strategies that can be used to develop a source reduction-based storm water management program, and
- were provided with model plans that address the six required minimum control measures.

The conference was sponsored by the South Dakota Pollution Prevention Program through a partnership with the South Dakota Department of Environment and Natural Resources Surface Water Quality and Non-Point Source Programs, and the City of Spearfish. The text for the workshop was *Designing and Implementing an Effective Storm Water Management Program* produced by the American Public Works Association. A copy can be borrowed from the Peaks to Prairies library. For more information, please contact Dennis Clarke at dennis.clarke@state.sd.us, or 605.773.4254.

Utah: Salt Lake 2002 Olympics

By all accounts the 2002 Salt Lake Olympic Games were a success and their environmental initiatives are worthy of particular note. The Utah Department of Environmental Quality partnered with the Salt Lake Organizing Committee (SLOC) and many others to accomplish the goal of zero net emissions/zero waste. The following resources were produced so you can find out the details:

The Salt Lake Valley Watershed and You:

Hosted by Bill Nye the Science Guy, this twelve-minute video focuses on the individual's role in water and energy conservation and waste management. It was distributed to all Utah schools.

What's on Eric's Mind: A Journalists' Guide to Global Warming:

This CD takes

the context of preferred Winter Olympics weather conditions, and expands to look at long-term impacts of global warming.

Going for Gold Coming up Green: A special feature of the Air & Waste Management Association's EM magazine, this article gives an overview of the Salt Lake Organizing Committee's six year plan to eliminate and reverse the Games' impacts on the environment. (Available on-line to AWMA members at www.awma.org.)

Salt Lake 2002 Olympic Winter Games Environment Final Report:

More attractive and an easier read than the title implies, this report covers the progressive approach the Salt Lake Organizing Committee took to meet the new environ-

mental criteria of the Games. Discusses the public education initiatives, honors environmental champions and records environmentally friendly features of the venues. Eighty-one page booklet with mini-CD including the Report of the Environmental Advisory Committee and the Environmental Performance Review.

Salt Lake 2002 Environment Fact Sheets:

This series of seventeen fact sheets gives a concise overview of initiatives and each venue including restoration and after use activities. Produced by the SLOC.

These resources can be checked out from the Peaks to Prairies library. For more information contact Sonja Wallace at 801.536.5577 or swallace@deq.state.ut.us.

Wyoming: 2002 Clean Snowmobile Challenge

In the true spirit of pollution prevention, the *Clean Snowmobile Challenge (CSC)* stimulates high-quality research that reduces or eliminates pollution at its source to help create a win-win solution for snowmobilers, manufacturers, land managers, and those concerned about the environment. With that in mind, the Wyoming Department of Environmental Quality (DEQ) and the Wyoming Department of State Parks and Cultural Resources Trails Program were proud to once again be major sponsors of this year's event. There were hundreds of

other sponsors and volunteers, 15 universities, and over 200 engineering students involved in the event.

CSC originated three years ago to, in part, address noise and exhaust emissions concerns from recreational snowmobile use in Yellowstone National Park and surrounding communities. The event was incorporated into the Society of Automotive Engineers (SAE) Collegiate Design Series.

Two collegiate teams shared the first place award in this year's CSC held the last week of March near Jackson Hole, Wyoming. The University of Idaho and Kettering University (Michigan) finished just two points apart after a week of intensive testing through 11 events.

The two winning snowmobiles

established at least temporary superiority for the four-stroke engine (as the cleaner and quieter design) in overall competition. However, the top finishing two-stroke entry from Colorado State University shocked the field by winning the exhaust emissions portion of the event. Their direct injected, catalyst fitted two stroke reduced CO emissions by 99.4% and hydrocarbon output by 88.6% compared to the control sled. It was one decibel shy of passing the competition's strict noise standard and finished third overall.

Next year's *Clean Snowmobile Challenge* will move to Michigan's Upper Peninsula. For more information contact Steve Rosenberry at 307.777.6105 or sroseb@state.wy.us.

Detailed results and photos of the *Clean Snowmobile Challenge* can be viewed on the Society of Automotive Engineers web page via the internet at <http://www.sae.org/students/snow.htm>.