

REGIONAL POLLUTION PREVENTION REPORTS

Consolidated Monthly Reports for October 2003

REGION 1 - EPP Vendor Fair: On October 8, Region 1 participated in three sessions at Massachusetts' 9th Annual Buy Recycled and EPP Vendor Fair and Conference in Worcester, MA. In the first session, "EPP 101," Rob Guillemain provided an introduction to environmentally preferable purchasing with an emphasis on cost saving opportunities and critical communication approaches. In the second session, "Federal Focus on EPP: Purchasing Info and Update," Anne Fern described the Federal Facilities program and Rob Guillemain discussed a method for incorporating EPP into an EMS. The session also included presentations that addressed online purchasing systems and methods for evaluating electronics recycling services. The third session, "Sustainability in Action," discussed a variety of sustainable practices case studies included in a Best Management Practices (BMP) Catalog compiled by the region. The topics included submetering, revolving loan funds, environmental performance reporting, recycling programs, and energy and water conservation. The Vendor Fair featured approximately 100 exhibitors and received over 800 attendees from government agencies, municipalities, colleges and universities, and hospitals. **Robert Guillemain, 617-918-1814**

P2 Core Measures: On October 21, EPA New England and NEWMOA hosted a conference call with state P2 programs in the Northeast to discuss EPA's draft Guidance for P2 Core Measures. The Core Measures were developed by EPA Headquarters for state and local P2 programs that receive funding from EPA's P2 Grant program. The purpose of the measures was to collect consistent national data on P2 outcomes and, more directly, to provide numbers to support the goals listed in EPA's Strategic Plan (i.e., "by 2008, reduce pollution by 76 billion pounds, conserve 360 billion BTUs of energy and 2.7 billion gallons of water, and save \$400 million, from a baseline year of 2003"). The state participants agreed that more work could be done to improve P2 data. Despite a variety of criticisms, interest in the subject remains high and work will continue with NEWMOA to brief the states on future developments and to elicit feedback. **Robert Guillemain, 617-918-1814**

Healthy Community Grant for Schools: On October 29, Ira Leighton and Lee Fiske participated in a press event announcing a \$25K Healthy Community grant to public school system in Newton, Massachusetts. Newton's project includes establishing environmental teams in each of the district's 21 schools, developing long-term environmental management plans for 10 of the schools, institutionalizing a district environmental management team (including municipal reps. from the board of health, DPW, and fire department) to provide support to the school-based teams, and developing a municipal mentor training program to teach other communities about the environmental concerns schools face and how to effectively set up a program to support school efforts to improve their environmental performance. The municipal mentor training program will be available to all communities in Massachusetts. Newton Officials participating in the press event included the mayor, the superintendent, the director of operations and environmental affairs for the schools, and the commissioner of health. **Lee Fiske 617-918-1847**

Emergency Management Tools for Colleges and Universities Conference: EPA Region 1, along with co-sponsors (The Boston Consortium for Higher Education, the Federal Emergency Management Agency, and Harvard University) conducted a conference on October 30th on Homeland Security issues surrounding colleges and universities. Over 300 participants attended representing administration, environmental health & safety, campus police, student services, facility managers, information technology, public affairs, and the local emergency planning committees. The conference was very well received and since this is a priority topic for the institutions, many are already requesting expanded (½ day to full day) workshops on certain topics (mainly tabletop exercises, dealing with the media, and vulnerability assessments/analysis).
Peggy Bagnoli, 617-918-1828

REGION 2, 3 4, 6, 7, 9, 10 - Nothing received at this time.

REGION 5 - **OPPT Visit to Region 5** - On Sept. 24 & 25 Charlie Auer, Office Director of OPPT visited Region 5 along with managers and staff from the P2 and toxics programs. It was an excellent opportunity to hear about HQ priorities and let OPPT know about Region 5 accomplishments and issues. This was the first planned OPPT visit to a region. Also in attendance was Region 8 as the Lead Region and Region 4 who will next host and OPPT visit. Pollution Prevention discussions focused on the state of State P2 programs, challenges in measuring P2, and improving the ways we document our successes. **(Phil Kaplan 312/353-4669)**

Green Clean Kick-Off Meeting - On October 9, the Chicago Public Schools (CPS) and the Healthy Schools Campaign hosted a meeting to kick-off the launch of Green Clean Pilots at nine schools. Steve Ashkin a nationally recognized expert on green cleaning spoke on What is Green Cleaning, and challenged the attendees to create a healthier school environment for our students. The 70 attendees included school principals, engineers, custodians, union representatives, cleaning supply companies and CPS Office of Operations managers as well as the Healthy Schools Campaign staff.

Region 5 has a \$31,000 P2 demonstration grant to the Generation Green Fund to help conduct the Healthy Schools Campaign project. After piloting green cleaning methods at these 9 schools through January, CPS hopes to roll out a Green Cleaning program at all of its 640 schools.
(Phil Kaplan 312/353-4669)

Region Hosts Successful Mercury Thermometer Exchange During Children's Health Month - On October 8-9 Region 5 hosted its second annual Mercury Thermometer Exchange to kick-off Children's Health Month. This year, we exceeded last year's collection of 368 thermometers by collecting 590 mercury fever thermometers. This means that we have removed approximately 413 grams of mercury from homes in the Chicago area (*a fever thermometer contains approximately 0.7 grams of mercury*) – this is mercury that will never spill in a home. This also means that we have potentially prevented contamination of all the fish in a lake with a surface area of 8260 acres (*one gram of mercury per year is enough to contaminate all the fish in*

a lake with a surface area of 20 acres).

All of our Region 5 programs contributed in some way to make this Thermometer Exchange successful. The Central Regional Laboratory handled the proper disposal of the mercury waste. We also had help from other Federal agencies to get the word out some of whom had "mini- collections" at their own locations and contributed to our total collection. Some of our downtown neighbors (including some large banks) and the Chicago Park District have expressed interest in hosting their own similar swaps in the future. We've convinced them why mercury fever thermometers are a problem and what they can do to become part of the solution.

We also provided hundreds of people with information about Children's Health Month, gave out about 200 copies of Illinois EPA's brochure, "Mercury Fever Thermometers: What You Need to Know" which they shared with us, and recorded 64 "Smokefree Homes" pledges.

(Maryann Suero 312/886-9077)

Consolidated Monthly Reports for November 2003

REGION 1 - EMS for Colleges and Universities (C/Us): On October 28th, Peggy Bagnoli participated in the first workshop for a second group of colleges and universities who are taking the necessary steps in implementing an EMS on their campus. University of New Hampshire, University of Rhode Island, and Westfield State College are the schools participating in the program. The participants will use an EMS Guide for C/Us that was developed by Region 1. The Pilot is expected to run for approximately two years. **Peggy Bagnoli 617-918-1828**

Greening the Supply Chain - EMS for Metal Finishers: Linda Darveau attended the final meeting of the New Hampshire Ball Bearings (NHBB) EMS User Group on November 3. As part of a "Greening the Supply Chain" effort, nine companies participated in the project, and all made progress in implementing an EMS. The companies were given certificates of participation signed by the Regional Administrator Bob Varney and the NHBB Operations Manager, Dick Reynolds. Three of the companies involved plan to register to ISO 14001. EPA and NHBB will be compiling the results of the project, which ranged from saving \$600 per year in solid waste costs to saving \$260,00.00 per year in hazardous waste disposal costs. **Linda Darveau 617-918-1718**

REGION 2 - Golf: The Pollution Prevention through Management of Nitrogen Applications on Golf Courses Workshop took place on Thursday, November 13, 2003 at the Indian Island Golf Course: Overall, the session was very productive. The golf course superintendents were generally willing to work with EPA to reach an agreement with specific nitrogen reduction goals in the future. The conference was funded by NYSDEC which received a PPIS grant from Region 2 to do this work two years ago. Additional funding remains in the grant which will be used to research turf maintenance equipment wash pad technology. Suffolk County will likely be funding a grant to Cornell University to create comprehensive nitrogen management plans for the east end golf courses. Nitrogen has been identified as the priority "pollutant" of concern in the Peconic

Estuary. We are hoping to reach a formal agreement with the majority of golf courses in Suffolk County early in the new year. **Tristan Gillespie, 212-637-3753.**

Landscapers: Tristan and Rick Balla met with representatives of the landscaping industry of eastern Long Island to encourage them to use less nitrogen fertilizer. The landscapers were quite amenable to working with us to develop a P2 strategy. This comes at the heels of a similar initiative working with the east end golf courses. The goal is to target every sector that contributes nitrogen to the Peconic Estuary as well as the Great South Bay and the Long Island Sound. By so doing, no single sector feels that they are being unfairly targeted. Many pollution prevention technology and data gaps are being identified through these initiatives. We have been working with Cornell University, New York Sea Grant, New York Department of State and Cornell Cooperative Extension with these initiatives and we anticipate many strong P2 grant proposals will be coming in next year to help fill the technological voids that we are identifying. We also anticipate many important P2 grant proposals that focus on outreach to the targeted sectors. **Tristan Gillespie, 212-637-3753.**

Performance Track: New York State Department of Environmental Conservation issued a Draft Commissioner's Policy on Environmental Management Systems (EMS). The policy suggests opportunities to encourage the use of EMSs and other environmental performance improvement tools in NYS DEC Programs. We shared the policy with Region 2 Performance Track members, state partners and business partners for review. The policy promotes the development of EMSs, identifies opportunities to use EMSs in Department enforcement and regulatory programs and gives authority to the Department to develop a performance-based state leadership program. The new policy and future program will contribute to the state's support of Performance Track. NYSDEC is accepting comments through November 7. Link to policy and summary: <http://www.dec.state.ny.us/website/ppu/ems/index.html>. **Marcia Seidner, 212-637-3584.**

REGIONS 3 & 4 - Nothing received at this time.

REGION 5 - **Buying Green for Purchase Card Training** - Pollution Prevention and Program Initiatives Section (PPPIS) staff provided information on Buying Green to attendees of a November 13, 2003 training for purchase card users. The instructor of the course, Darlene Hainer, Acquisition and Assistance Branch, provided PPPIS staff the opportunity to highlight the portion of the training manual that addresses EPP issues. PPPIS staff emphasized that purchase card holders are required to purchase environmentally preferable products, including recycled-content and energy efficient products. We also stressed attributes of Green Meetings and gave out Green Meeting mouse pads as prizes for answering green purchasing questions correctly. The Agency entered into a Blanket Purchase Agreement (BPA) for non-electronic office supplies with Corporate Express on October 24. This BPA will make it easier for EPA employees to buy green products once the program is rolled out nationally in 2004. **(Phil Kaplan 312/353-4669)**

Southeast Industrial By-Products Beneficial Use Summit Held - PPPIS participated in the Southeast Industrial By-Products Beneficial Use Summit in Atlanta on November 4-5, 2003. The

event was sponsored by Regions 3, 4, 5, HQ and the Southern Waste Information Exchange, Inc.. The event was a follow up to a similar event held last year in Chicago where industry and regulators discussed industrial by-products and regulatory programs. It included presentations from EPA HQ programs (RCC, WasteMin, and Sector Strategies) as well as representatives from the paper, foundry and utility industry. Facilitated discussions were held to involve participants in discussing challenges, barriers and opportunities to increase the diversion of industrial byproducts from disposal. Over 150 industry, agency (from 13 states) and academic representatives were in attendance a substantial increase over the Midwest event. Dedicated industry and agency breakout sessions were held on the second day of the program to discuss beneficial use programs and initiatives separately. PPPIS continues to work with other EPA offices, industry organizations and states to add value to efforts to increase the beneficial use of non-hazardous industrial byproducts. A forum on overcoming specific regulatory barriers to beneficial use was held immediately following the Summit which involved representatives from 9 industries that generate byproducts. The forum was sponsored by the National Center for Environmental Innovation. **(Susan Mooney 312/886-3585)**

Federal Electronics Challenge Signs on First Pilot Partner in Region 5 - Up to 10,000 computers could be deemed as surplus from the Federal government each week! The Federal Electronics Challenge (FEC) is a coalition of government agencies that have stepped up to the challenge of educating people how to manage the newest waste stream. The FEC is promoting a life-cycle management approach that will help reduce the environmental impact of electronic equipment, such as computers, when they are no longer needed. To help test the tools that have been developed, the FEC has recruited the property management section of the GSA, who is responsible for handling the disposal of electronics, at the John C. Kluczynski Federal Building as a pilot partner. These tools will help to identify the people and processes that are involved in the purchase, use, and disposal of electronics; putting all groups in contact with each other so that the electronic life cycle is better managed from the environmental perspective. During the pilot phase technical assistance will be provided to the partner to identify the steps to take so that a shipment of obsolete computers can be prepared for recycling. **(Chris Newman 312/353-8402, Lucy Stanfield 312/886-1121)**

Interagency Agreement with Indian Health Service - The Indian Health Service (IHS) Bemidji Area Office signed an Interagency Agreement with EPA Region 5 to conduct a Tribal Clinic Waste Reduction Initiative. EPA and IHS will work with tribes to identify opportunities to reduce hazardous chemical use, exposures and waste generation at tribal health care facilities. EPA and IHS are currently working with the Ho-Chunk Nation on a pilot project to reduce hazardous chemical use and purchase environmentally preferable products at their new clinic. As providers of the Hospitals for a Healthy Environment program, the Minnesota Technical Assistance Program has also provided technical expertise to Ho-Chunk in this pilot project. This project will be used as a case study to work with other tribes to implement waste reduction concepts at their facilities. **(Dolly Tong 312/886-1019)**

Region 5 Awards Tribal Solid Waste Grants - Region 5 awarded Solid Waste Management Assistance Grants with FY03 funds to the following tribes:

Lac du Flambeau Band of Lake Superior Chippewa, Wisconsin (\$18,657) - Implement a junk car removal program. Conduct an inventory of mercury-based items throughout the tribal facilities and households; set up drop/off disposal program for mercury-containing wastes; and conduct outreach education promoting purchasing of mercury-free alternatives.

Forest County Potawatomi Community, Wisconsin (\$25,753) - Conduct a series of community-wide collection events for household hazardous waste and electronic waste, and establish containment to ensure the proper storage of hazardous materials on the reservation.

Stockbridge-Munsee Community, Wisconsin (\$17,846) - Coordinate junk vehicle removal and tire recycling on the reservation.

Bois Forte Band of Chippewa, Minnesota (\$25,753) - Establish a composting facility to divert organic waste from the tribe's casino. Conduct research on other organic waste composting operations to evaluate composting technologies and options; develop the site and process for composting; and conduct education and training for tribal casino staff on food diversion and composting operations.

Nottawaseppi Huron Band of Potawatomi, Michigan (\$10,948) - Upgrade the tribal recycling center to accept additional waste streams, and conduct outreach activities to educate tribal members on proper solid waste management and reduction. This project will complement their solid waste management plan and ordinance work funded under the Open Dump Cleanup Project. **(Dolly Tong 312/ 886-1019)**

Two Region 5 Tribes Receive National Open Dump Cleanup Project Grant - The Tribal Open Dump Cleanup Project is a multi-federal agency effort designed to assist tribes with assessing open dumps, developing solid waste management plans, developing alternative solid waste management systems, or closing or upgrading their open dump sites. Two tribes in Region 5 received grants from the FY03 round of funding. The Menominee Indian Tribe Wisconsin received \$178,350 to clean up 194 illegal solid waste dump sites. The Nottawaseppi Huron Band of Potawatomi (Michigan) received \$30,968 to develop an integrated solid waste management plan and update their solid waste disposal ordinance. **(Dolly Tong 312/ 886-1019)**

REGION 6 - Small Scale Chemistry Workshop: A Small-scale chemistry workshop was held in Region 6 to demonstrate its usefulness as an outreach tool for all EPA programs. This form of chemistry is being promoted to all Region 6 education systems. SSC is a proven technique that considerably reduces costs of lab tests by using small amounts of chemicals resulting in lower costs for chemical purchases, reduced waste generation, and safer laboratories. In addition, the techniques are being assessed for field screening for pollutants in soil and water in several programs. Exercises include: relating chemistry concepts to environmental issues, discussion

EPA science, statistics, generation of data, discussion of field sampling, water quality, detection of metals in soils and water, and exploration of the electrical generation of hydrogen and oxygen related to fuel cell technology. **Dr. Gerald Carney (214) 665-6523, Eli Martinez (214) 665-2119, Joy Campbell (214) 665-8036**

Consumer Conservation: More in Your Wallet, less from the Environment: An innovative workshop designed to help reduce environmental impact and save money as a consumer was held in the Region. Employees ready to take environmental action at home, at work, and in local communities filled a large conference room to learn about the relative effects of consumer versus industrial activities on the environment. This workshop has been presented in various venues, including NASA Johnson Space Center, BP Chemicals and Houston Advanced Research Center. Workshop attendees have reported saving thousands of dollars in personal expenses and generating measurable reductions in pollution including:

1. Savings as great as \$8,000 per year
2. \$1,500 average savings per participant
3. 5,640 KWH/yr reduction in electricity
4. 252 gallons of fuel saved
5. 11,805 pounds/yr of CO₂

Presented by A Nurtured World, Inc. Brought to you by Region 6 P2: **Joy Campbell (214) 665-8036**

Region 6 Pollution Prevention Roundtable Meeting: The Region 6 Pollution Prevention Roundtable was held in conjunction with ORD's sponsored P2/EMS workshop. The Roundtable consisted of information sharing and presentations from the Texas Railroad Commission, the Lower Colorado River Authority, the 5 Region 6 States, various universities, MEP's, private engineers, municipalities and other interested individuals. Other presentation included the Resource Conservation Challenge and Hospitals for a Healthy Environment. Roundtable members applied the tools learned at the P2/EMS workshop to determine future collaborative directions for our Region 6 Roundtable group and our P2Rx Center to include a partnership between our new P2Rx Center and the MEP. **Joy Campbell (214) 665-8036**

REGION 7 - Administrative Practices Group. The Region 7 Multi-Media Pollution Prevention Leadership Team has a subgroup which has been examining ways to implement pollution prevention in the routine administrative practices of the Regional Office. The group's first project involved an amendment to a regional standard operating procedure by which media inspection reports could be filed, stored, and transmitted electronically. This system has several benefits, including reduced paper and copier costs, better storage and retrieval, and improved customer service.

(Wes Bartley at 913-551-7632)

Government Gets Green at Luncheon. EPA Region 7, in partnership with GSA Region 4 and the Greater Kansas City Federal Executive Board, hosted a "Greening the

Government@luncheon” and a “Greening the Government@workshop”. The 68 luncheon attendees consisted primarily of Senior Managers representing Federal Agencies in the Greater Kansas City area. Will Garvey of the EPA Office of Enforcement Coordination and the Office of the Federal Environmental Executive was the keynote speaker. Mr. Garvey shared comments on the importance of senior management support and involvement in the development and implementation of Environmental Management Systems. The luncheon also featured comments by James B. Gulliford, EPA Region 7 Regional Administrator, and Bradley M. Scott, Kansas City Federal Executive Board Chairman. A "Greening the Government@workshop followed the luncheon, and was attended by 39 persons representing area federal facilities. Dana M. Arnold, Chief of Staff in the Office of the Federal Environmental Executive presented information on Federal Executive Orders, and relative legal requirements, including RCRA Part 6002 and the Federal Acquisition Requirement. Mr. Garvey covered additional information on the Environmental Management Systems. **(George Moody at 913-551-7106)**

REGION 8 - Energy Star To Present Three Bronze Labels to Colorado Springs District 11.

On November 5, 2003, Region 8 presented the prestigious ENERGY STAR plaque to the Colorado Springs School District 11 Board of Directors for the Madison and Penrose Elementary Schools and the FOTC Administration Building. Actions taken in these three buildings will save the District more than \$9,100 and prevent more than 1,495 pounds of CO2 yearly. The labels are the first for the District. **Patty Crow, 303-312-6464**

EPA Region 8 Joins the Energy Star Million Monitor Drive. Region 8 has signed a pledge to join the Million Monitor Drive, a nationwide campaign to activate power management on two million computer monitors. By signing this pledge, Region 8 is committed to saving energy and protecting the environment by enabling power management features on 900 computer monitors Region-wide by March 2004. Using the “Sleep Is Good” slogan, the Drive encourages the use of computer software power management features that achieve these savings by automatically switching computer monitors to a low-power “sleep” mode during times when the computer is on, but is not being used. Using these features costs nothing and computers in sleep mode awaken at the stroke of a key or touch of the mouse. **Paula Smith, 303-312-6630 or Patty Crow, 303-312-6464**

REGION 9 - Flame Retardants: On Monday, November 3, EPA and the Great Lakes Chem. Corp. simultaneously announced that Great Lakes will voluntarily cease production of the flame retardants Pentabromodiphenyl Ether (PentaBDE) and Octabromodiphenyl Ether (OctaBDE) by the end of 2004. Great Lakes is the only producer of PentaBDE in the U.S. EPA will begin working with other producers of OctaBDE to convince them to also cease OctaBDE production soon. Levels of PentaBDE and OctaBDE - persistent and bioaccumulative compounds - have risen exponentially in fish, bird eggs, and human breast milk throughout the U.S. during the past ten years. Tests on PentaBDE in rodents have shown neurotoxic effects. EPA also lifted the production ceiling on a Great Lakes replacement for PentaBDE - FIREMASTER 550 - citing low persistence, bioaccumulation and aquatic toxicity. EPA will require Great Lakes to conduct further tests on FIREMASTER 550, especially animal toxicity tests, under a TSCA 5e consent order. The EPA Region 9 P2 Team held two conferences/roundtables on these chemicals during

2002 and 2003 and has played a leadership role within EPA to ensure adequate agency attention was being paid to them. In FY04, the P2 team is launching a Design for the Environment project with the American Furniture Manufacturers Association (AFMA) to develop safer alternative flame retardant chemicals and technologies for use in upholstered furniture. **John Katz 415-972-3283**

OPPTS National Meeting Attendees Discuss Emerging Chemicals: David Jones and John Katz represented Region 9's Pollution Prevention group at the National OPPTS Meeting in Boston, November 17th-20th, joining Enrique Manzanilla and other CMD managers and staff. Dave Jones and Charlie Auer, OPPT Director, jointly facilitated a session on Emerging Chemicals of Concern, emphasizing the need for a dual track approach to these emerging chemicals of concern. Specifically, they emphasized the need for first, our traditional core regulatory TSCA approach to emerging chemicals, and second, a parallel track exploring pollution prevention alternatives to these emerging chemicals of concern. As a result of the discussions, the Design for the Environment (DfE) program will initiate and facilitate an Agency-wide workgroup on emerging chemicals. **Dave Jones 415-972-3388 and John Katz 415-972-3283**

REGION 10 - Three Green Energy Partnership presentations by R10 management. One by John Iani (RA) at the Nike Campus in Beaverton, Oregon on October 16th, one by Mike Slater (Oregon Ops Office staffer) to the City of Portland on November 5th, and one by Ron Kreizenbeck (DRA) to the Northwest Environmental Conference on November 18th.

Mercury Switch: Initiated a Hg switch trade out program with other Puget Sound governmental entities. The project is being administered by King County, Washington. Purchased 250 switches for same. Researching options for GSA vehicles.

OPPTS National Meeting: Conducted briefings and white paper responses for the Acting Division Director who attended the OPPTS National Meeting on November 17 -20th. Participated in same.

Alaska Incinerators: Researching P2 solution for Alaskan Incinerators that are out of compliance, but for whom the regulatory route may not suffice. Alaskan medical Industry roundtable being set up. Resources and lessons learned from R9 should be most valuable. **Carolyn Gangmark (206) 553-4072**

Consolidated Monthly Reports for December 2003

REGION 1 - Newsletter for Environmental Technology Developers: On the week of December 1, Maggie Theroux and Junenette Peters sent EnvirotechNews, a free monthly newsletter, to 1,183 subscribers. EnvirotechNews provides technology developers with information relevant to the environmental technology industry, such as government funding opportunities, Environmental Technology Verification (ETV) opportunities, and an events listing. The newsletter also provides a "Technology Opportunity" section that solicits environmental technologies through anonymous requests by organizations seeking solutions to their regulatory

problems. To view back issues or subscribe, go to <http://www.epa.gov/region1/assistance/ceit/subscribe.html>. **Maggie Theroux 617-918-1613.**

Greening the Supply Chain: Linda Darveau attended the Green Suppliers Network (GSN) launch on Dec 2 in Washington, D.C. The GSN is a partnership between EPA, NIST, and U.S. Manufacturing industries. GSN will target suppliers to the automotive, aerospace, appliance, furniture and farm equipment industries to assist them in increasing energy efficiency, identifying cost saving opportunities, eliminate waste, and improve their environmental performance. The Aerospace sector, including Raytheon, Lockheed Martin, UTC, Pratt & Whitney, and Northrup Grumman, met in the afternoon to plan the approach this industry will take in engaging suppliers in this project. **Linda Darveau 617-918-1718**

Campus Master Planning: On December 30th, Peggy Bagnoli met with Bill Colehower and Peter Nible from Shepley Bulfinch Richardson & Abbott to discuss relevant planning, operations, budgeting, and investments that may impact campuses. Through master planning, institutions can plan for new construction demands, accommodate growth of student populations, and include demands for "greener" campus operations including renewable energy, green buildings, energy efficiency, water conservation, etc. Similar to LEEDs, we hope to come up with the set of core elements that should be included in a master/campus plan that can serve as a guide to C/Us or even be used as a self-certification process or a report card. This should be a tiered system and identify the easy cost-effective indicators that C/Us can collect without having to hire a consultant. It would also come up with a methodology of collecting this information and tie into the actual/potential environmental impacts. **Peggy Bagnoli 617-918-1828**

REGION 2 - Golf: The Pollution Prevention through Management of Nitrogen Applications on Golf Courses Workshop took place on Thursday, November 13, 2003 at the Indian Island Golf Course:

Overall, the session was very productive. The golf course superintendents were generally willing to work with EPA to reach an agreement with specific nitrogen reduction goals in the future. The conference was funded by NYSDEC which received a PPIS grant from Region 2 to do this work two years ago. Additional funding remains in the grant which will be used to research turf maintenance equipment wash pad technology. Suffolk County will likely be funding a grant to Cornell University to create comprehensive nitrogen management plans for the east end golf courses. Nitrogen has been identified as the priority "pollutant" of concern in the Peconic Estuary. We are hoping to reach a formal agreement with the majority of golf courses in Suffolk County early in the new year. **Tristan Gillespie, 212-637-3753.**

Clean Marine Engine Program Alex and Tristan prepared and sent out a mailing reminding participating marine retailers in the Clean Marine Engine Program to submit their annual engine sales data. Participating retailers voluntarily agreed to sell low pollution outboard/ personal watercraft marine engines at the following percentages of the total number of new model year marine engines sold per year: 2003: eighty percent (80%) or more
2004-2005: ninety five percent (95%) or more

REGION 3 - Nothing received at this time.

REGION 4 - Joint P2 and RCRA State Directors Meeting December 15, 2003: Dan Ahern and John Calcagni attended this meeting in Bonita Springs FL. The P2 State Directors were meeting at the request of regional Waste Management Division to discuss possible joint actions on the Targeted Chemical Reduction initiative of the Resource Conservation Challenge (RCC). The meeting consisted of a briefing on the RCC and P2 programs and the national Office of Solid Waste giving an explanation on the Targeted Chemical Reduction program. The State P2 and RCRA programs then coordinated and reported on proposed activities they would consider to implement this initiative. It seems that the national office is looking for help in getting 80 large facilities to participate in reduction of the 30 identified chemicals and metals (lead, cadmium and mercury). One feedback that was offered by a few P2 State programs is that this initiative should be coordinated and linked to EPA's performance track. **Contact Dan Ahern 404 562-9028**

Region 4 P2 Roundtable, December 16, 2003: This roundtable was held following a joint RCRA/P2 State Directors meeting in Bonita Springs FL. All 8 States and two local programs attended. The roundtable consisted of short update from the states on their activities. The full reports are posted at Waste Reduction Resource Center (WRRC) web site at <http://wrrc.p2pays.org/rndtblrep.asp> A further discussion on the Targeted Chemical Program was held with the some folk from the Office of Solid Waste. Alan Abramson the national P2 Division Director attended this meeting and gave the group the National P2 update and the evolving vision of what will be the national priorities in the future. Other agenda items included a discussion on grant guidance, EPA's Strategic Plan, Manganese and State lead discussions on Measurement, P2 and Compliance Assistance, P2 in permitting and location for future meeting. The state preferences were for another joint meeting with State Directors in either Air or Enforcement. **Contact Dan Ahern 404 562-9028**

REGION 5 - Michigan Participates In Green Supplier Network (GSN) Launch - Michigan DEQ represented Region 5 at the GSN kickoff meeting in Washington. The GSN is a collaborative effort among EPA, NIST-MEP, industry to lean and green the supply chain. The auto industry, office furniture manufacturers, and aerospace were some of the industries represented. With a heavy concentration of the auto industry and office furniture manufacturer in Michigan, the DEQ and Region 5 are eager to see a well coordinated effort and effectively leverages the State's P2 resources. For more info on GSN see <http://www.epa.gov/p2/programs/gsn.htm> **(Phil Kaplan 312/353-4669)**

REGION 6 - Nothing received at this time.

REGION 7 - Internal P2 Training. We conducted our first meeting with a representative of Kansas State University concerning training to be delivered to EPA personnel in 2004. KSU will provide two sessions for permit writers and compliance enforcement inspectors on how to integrate P2 into those functions. We are moving forward by identifying tentative dates for the training and continuing to coordinate the content to be presented. **(Chris Hess 913-551-7213)**

Measurement. A workshop was held in the Regional Office on December 15 to discuss the possibility of using a single Internet based database for consolidation of data collected from P2 projects. The Region 10 database was presented and discussed with P2 service providers (and current P2 grantees). Overall reaction was favorable. The P2 service providers will begin entering data and provide comments to the P2Rx representative regarding any issues that should be addressed. **(Chet McLaughlin 913-551-7533)**

REGION 8 - Region 8 Launches Its Resource Conservation Challenge (RCC). The Office of Partnerships and Regulatory Assistance (OPRA) has established a steering committee to spearhead Region 8's efforts under the RCC. Led by Sadie Hoskie and Steve Burkett, the steering committee will work with Region 8's program offices, states, tribes and other partners to substantially contribute toward achieving the national Resource Conservation Challenge's goals of (1) preventing pollution and promoting recycling and reuse; (2) reducing priority chemicals at all life cycle stages; and (3) conserving energy and materials. The committee is charged with finding partners working on projects, programs and initiatives that will help achieve these goals and helping to coordinate, recognize and promote their activities. The steering committee will also facilitate communication between Region 8 and the national RCC effort, which is led by the Multi Media Pollution Prevention (M2P2) Forum and involves all of the EPA regions and most AA-ships in Headquarters. The Regional Administrator and Deputy Regional Administrator will serve as champions of the Region's RCC efforts. **Sadie Hoskie, 303-312-6390 and Steve Burkett, 303-312-7081**

Federal Facility Training on Environmental Management Systems. The Region 8 Pollution Prevention Program presented an introductory class on the environmental management system requirements of the ISO 14001 standard for federal facility representatives on December 15-17, 2003, at the EPA National Enforcement Training Institute (NETI). Forty-two participants from DOD, DOE and civilian federal agencies attended. Guest speakers included Kelly O'Neill from Fort Carson, Whitney Trulove-Cranor of EPA Region 8, Kevin Considine with the City of Portland, Oregon transit agency, and Robin Hirschhorn from the Office of the Federal Environmental Executive (OFEE) in Washington, D.C. Ms. Hirschhorn discussed the new OFEE self-declaration protocol which requires that each federal facility (including EPA Region 8) have an external independent audit of its EMS and issue a self-declaration statement signed by top management at the facility. Mr. Considine and Ms. Hirschhorn teleconferenced in to the training, avoiding the environmental impacts of travel to Denver. The target audience rated the training as excellent or very good. Region 8 is the only EPA Region to conduct this training ourselves rather than relying on contractors. **Dianne Thiel, 303-312-6389**

REGIONS 9 and 10 - Nothing received at this time.

Consolidated Monthly Reports for January 2004

REGION 1 - EMS for Schools: The next in our series of EMS workshops for municipalities and schools was held on January 6 in Amherst, MA. These workshops are designed to support communities participating in two EPA grant programs that are piloting the use of EMSs in municipal and school settings. Agenda topics included: How to insure you meet your goals for

'04', moving from checklists to aspects and impacts, choosing objectives and targets, developing environmental management plans, developing operational controls, and documenting what you do. Participation included 25 people from seven pilot communities attending (Amherst, Lenox, Newton, Barre, Westford, Lowell, Natick). It is quite striking how much more sophisticated the discussion of the group has become over time and how far they have come in understanding the concepts and the benefits of the EMS process. **Lee Fiske 617-918-1847.**

Green Purchasing for Cities: On January 22, Rob Guillemain presented at a Cities for Climate Protection (CCP) meeting in Worcester, MA organized by the International Council for Local Environmental Initiatives (ICLEI). The focus of the meeting was to promote purchasing policies and practices to encourage the use of energy efficient products and services by local governments. The agenda included an overview of purchasing resources and a description of environmentally preferable purchasing (EPP) programs, followed by an afternoon breakout session with purchasing officers. Rob's presentation described the role of purchasing officers, explained their strengths and limitations in promoting EPP, and suggested strategies for institutionalizing EPP. 30+ local governments in New England participate in ICLEI's CCP program. **Robert Guillemain 6-7-918-1814.**

Colleges and Universities - Performance Measurement Work Group: On February 4, Peggy Bagnoli participated on the Performance Measurement Work Group conference call in support of Headquarter's College/University Sector Strategy Initiative. The focus was on finalizing the details for reporting baseline performance measures for EMSs. The call also discussed how to compare different educational institution with different populations, missions, responsibilities, budgets, and locations - normalizing the data. The group identified six environmental indicators: energy, hazardous waste (only those that are reported to state), solid waste, recycling, water, and green house gas emissions. A handful of the representatives will develop a spreadsheet and tools to report the information work on a format for submitting the information and will provide this to the rest of the group in the next couple of weeks. Data collection will begin March 3rd. **Peggy Bagnoli 617-918-1828.**

REGION 2 - Healthcare: The Pollution Prevention team will be working with Compliance Assistance team on a joint project with the State University of New York (SUNY) Medical Schools network to eliminate the use of mercury-containing equipment. SUNY was chosen because they are the only entity in Region 2 with baseline data detailing their present inventory of mercury-containing equipment. Such info will be useful in any project with SUNY because it will facilitate the calculation of any P2 project's success. **Tristan Gillespie, 212-637-3753.**

Richard Yue from the P2 team will assist the Compliance Assistance team in the preparation of a survey soon to be disseminated widely to all healthcare facilities in Region 2 that will ask about the facilities current P2 practices and general environmental compliance. **Richard Yue, 212-637-3424.**

Golf: Tristan met by conference call with the Peconic Golf workgroup. A small workgroup of select Golf course superintendents from eastern Long Island is being formed to iron out an MOU

that is mutually agreeable. We hope to have a press conference in early April that will include an agreement signing ceremony between EPA, Cornell, the Peconic Estuary Program, NYSDEC, USGA and at least 25 out of the 35 East End golf courses. **Tristan Gillespie, 212-637-3753.**

REGION 3 - Nothing received at this time.

REGION 4 - Water P2 Team Takes on Water Conservation: The Water Division team met on January 20 to discuss the many water conservation initiatives that the team is exploring in response to the challenge to assist in meeting the Strategic Target for gallon reduced. Team members met with the City of Atlanta and are working on water conservation (WC) curricula for elementary schools and a generic WC door hanger. Also encouraging use of water source book lessons and plan meeting with State, ARC, City to coordinate all water conservation efforts in the Metro Atlanta Area. Regional P2 program plans to financially assist these initiatives with funds to purchase recognition and to do printing. **Contact Dan Ahern 404 562-9028**

Air P2 Team Focusing on Voluntary Emission Reductions: This team held their quarterly conference call on January 6, 2004 with the state and local Air P2 contacts. They decided to have another annual meeting in Gainesville FL in association with the FL P2 Conference in August. The call focused on presentation on Louisville's Voluntary VOC/NOx emission reductions. It appears that their efforts with local industry led to a million lbs of reduction last summer. Waste Reduction Resource Center participates in these calls and will explore developing a best voluntary air emission reduction web site where other Air Agencies can go to see case studies. **Contact John Calcagni 919 715-6534**

REGION 5 - Illinois Green Schools Partnership - Greening Schools, a joint effort of the Illinois Environmental Protection Agency (IL EPA) and the Illinois Waste Management and Research Center, recently launched its website at <http://www.greeningschools.org/>. The purpose of the project is to help schools provide a safe and healthy environment that will also be more efficient and improve learning conditions. It is also designed to provide teachers with standards-based tools to introduce the concepts of waste reduction and pollution prevention to students. The Program offers free on-site technical assistance to assess building conditions, an on-line help desk to answer questions, and workshops for teachers, administrative and facility staff. Some of the program's benefits are increased safety and environmental health for students and staff, improved indoor air quality, reduction or elimination of hazardous materials, professional development or administrator academy credits to workshop participants, and environmental stewardship behavior modeled for students. The program is supported through FY2003 P2 Grant funds. **(Phil Kaplan, 312/353-4669)**

IDEM Receives Recognition for IN/DOD P2 Partnership - Representatives from Region 5, Indiana Dept. of Environmental Management, Purdue U., Crane Army, Terre Haute Air Guard, Grissom Air Guard, Army National Guard, and the Army Environmental Center met at IDEM for the Partnership's quarterly meeting. The Iowa Waste Reduction Center recently gave Spray Technique Analysis and Research (STAR) program training to Terre Haute Air Guard spray paint technicians. STAR is a "train-the-trainer" approach to improve overall efficiency of manual

spray coating operations. Since Purdue has similar expertise to Iowa in coatings applications, we agreed it would be helpful for Purdue to assist Terre Haute in setting up a training at Grissom. Purdue also has expertise in Environmental Management System (EMS) training and offered its services to the Partnership. After the meeting, Dr. James Hartman presented Lori Kaplan, Commissioner IDEM with a plaque of appreciation from the U.S. Army Environmental Center for IDEM's leadership in the Partnership. **(Phil Kaplan 312/353-4669)**

Draft EPA Tribal Waste Management Strategy - On December 9-10, Margaret Guerriero and Dolly Tong participated in a meeting in Washington D.C. with RCRA Senior Policy Advisors and tribal waste management coordinators from EPA regions and headquarters. The purpose was to draft a national strategy to strengthen EPA's efforts to improve waste management in Indian Country, by integrating EPA's solid waste, hazardous waste, underground storage tanks, pollution prevention, land revitalization and reuse (Brownfields), and enforcement programs. Participants broke into small focus groups to address key elements to incorporate into the strategy, such as partnerships, legal issues, and specific needs in the tribes' solid and hazardous waste management. The draft strategy has been distributed to tribes and other stakeholders in Region 5 for comment; a revised draft strategy will be available in February for further comment. **(Dolly Tong 312/886-1019)**

Tribal P2 Workgroup is Formed - A Tribal Pollution Prevention Workgroup has been formed as a new workgroup under the National Pollution Prevention Roundtable (NPPR). NPPR received funding from EPA's Pollution Prevention Division to enhance state and tribal collaboration to improve pollution prevention capacity. The workgroup includes tribal, state, and federal representatives and anyone else interested to help achieve this objective, by conducting new pollution prevention mentoring partnerships with tribes and states, sharing information on tribal P2 activities and resources, or implementing pilot projects. The workgroup is co-chaired by Bruno Zagar of the Fond du Lac Band of Chippewa, Ed Gonzalez of the Western Regional Pollution Prevention Network, and Region 5's Dolly Tong. **(Dolly Tong 312/886-1019)**

REGION 6 - Distribution of Duties: Linda Thompson, Joy Campbell, Eli Martinez, and Kelvin Spencer will meet January 21, 2004 to discuss redistribution of duties. **Technical Contact: Linda Thompson (214)665-6568**

Green Zia Program of New Mexico: A conference call was held with the Pollution Prevention Coordinator of New Mexico regarding issues which had come up surrounding the Green Zia Program in New Mexico. The Green Zia Program of New Mexico is a pollution prevention based environmental management system based on the Malcolm Baldrige model. Facilities in New Mexico are encouraged to participate in the program to improve their environmental impact. Based on the issues raised, EPA recommended possible solutions which could address perception and possible compliance issues and continue the program in the most productive manner. The Secretary of Environment has reviewed the recommended solutions; improved them; and has directed staff to implement the changes for an improved Green Zia Program for New Mexico. **Joy Campbell, (214) 665-8036**

Region 6 Pollution Prevention Roundtable: Coordinated with various of the state P2 representatives for the first conference call in 2004 for all the state P2 reps. The calls will be held the 4th Thursday of each month to coordinate the Regional activities for pollution prevention and to ensure that their activities are supported, advertised and recognized through Region 6. In addition, Oklahoma will host the P2 Roundtable in the Spring/Summer of 2004 for the Pollution Prevention Roundtable meeting and training. **Joy Campbell (214) 665-8036**

EMS Committee: The final draft of the training portion of Step 9 of the Region 6 EMS was submitted to the Region 6 EMS Coordinator, Jerry King. Completion of Step 9 puts Region 6 ahead of schedule for implementation of the a Region EMS under E.O. 13148. **Joy Campbell, (214) 665-8036.**

Grants and other: Responded to request for grant information on P2 Grants for the U.S./Mexico border; reviewed grant final reports; requested additional information on final reports submitted; provided updates to the Grants Management Officers for Texas and NM; provided information to the El Paso Border Office on where they could find additional information on EMS and additional contacts; and, provided research and direction on location of EPA Form 3300-1 in response to a request for assistance.

REGION 7 - Environmental Sustainability Meeting: Region 7 participated in the Iowa Business Assistance Council for Environmental Sustainability meeting and had presentations on the Soybean Producers on farm assessment and assistance programs which are in the pilot stage on environmental improvements. They have voluntary agreements in a watershed to make changes and do the water monitoring to evaluate the impact of best management practices. We also met with the ABIL Institute that is doing research on soy based lubricants including on farm produced lubricants to help make farmers both self sufficient and independent producers of soy lubricants. The process appears economical and very doable. The marketing is proceeding with one rail yard and one military base converted to soy lubricants and evaluations underway. The results of the pilots will be available this year. **(Chet McLaughlin, 913-551-7533)**

EMS: Region 7 continues multi-media support for environmental management systems throughout the region. Region 7 staff have been reviewing EMS components submitted by the Tyson Food company as a result of a consent agreement. R7 staff have also been working with the RCRA program in an effort to explore how to integrate the EMS concept into a RCRA permit. Safety-Kleen proposed to use their EMS in a pilot project to incorporate an EMS into a RCRA permit. Unfortunately, detailed review of Safety-Kleen's EMS revealed that it was not of suitable quality to be used for the pilot effort. Region 7 continues to search for a good pilot project involving EMS in RCRA permits. **(Wes Bartley, 913-551-7632)**

REGION 8 - Presentation for EPA Region 7 Regional Administrator and Deputy Regional Administrator on Region 8 EMS: Dianne Thiel and Whitney Trulove-Cranor gave a presentation on the accomplishments of the Region 8 Environmental Management System at a meeting of the Federal Network for Sustainability in December 2003. Dianne Thiel gave the same

presentation to the Region 7 RA and DRA via teleconference on January 8, 2004. **Contact: Dianne Thiel, 303-312-6389**

Multi-State Working Group Quarterly Meeting on Environmental Management Systems Held at NREL: The January Environmental Management Systems Meeting of the Multi-State Working Group was held at the National Renewable Energy Laboratory Visitor Center in Golden, Colorado, January 14-16, 2004. The sessions on January 16th focused on EMSs and public lands. **Contact: Dianne Thiel, 303-312-6389**

EPA Region 8 Received Approval From EPA Headquarters Office of Public Affairs to Produce a Report on Region 8 Activities for the Global Reporting Initiative: EPA Region 8 submitted a concept request through PROTRAC for approval by the Office of Public Affairs at EPA Headquarters to produce a report about EPA Region 8's activities using the Global Reporting Initiative (GRI) sustainability reporting guidelines. This report will include information about EPA's accomplishments under our Environmental Management System, as well as other Regional efforts to become sustainable. This report will help meet a commitment in the national EPA EMS Implementation Policy to "Share information on environmental performance with the public." The Global Reporting Initiative is a voluntary multi-stakeholder process and independent institution whose mission is to develop and disseminate globally applicable Sustainability Reporting Guidelines. These Guidelines are for voluntary use by organizations for reporting on the economic, environmental, and social dimensions of their activities, products, and services. Approximately 366 business and governmental organizations from 32 countries have reported under GRI so far. Examples include U.S. energy companies such as Marathon Oil, Chevron, Texaco and Arizona Public Service, manufacturers, airlines, forest product companies, financial institutions such as Citigroup, Fleet Boston Financial and Barclays Bank, United Parcel Service, Safeway, the University of Florida, and Canada's International Institute for Sustainable Development. **Contact: Dianne Thiel, 303-312-6389**

REGIONS 9 and 10 - Nothing received at this time.

Consolidated Monthly Reports for February 2004

REGION 1 - P2 Tribal Conference: The 7th Annual Tribal Training Conference took place during the week of February 17th at Mohegan Sun Conference Center in Uncasville CT. This year, the conference was intended to assist tribes in their efforts to conduct Tribal Strategic Planning and was carried out in dual-track fashion - one track focused on legal issues and another track focused on pollution prevention opportunities in tribes. Participants from a number of tribes were present as were representatives from CT DEP, EPA regions I & II and several EPA HQ offices including OPPTS and OECA. Strong group facilitation resulted in the formation of draft plans focused around several environmental priorities for a number of tribes. Potential projects included the following : green buildings, waste minimization/recycling, renewable energy, as well as other media-based projects to ensure clean water, clean air and preserved land. As the plans are finalized, they will be shared broadly. **George Frantz 617-918-1883**

REGION 2 - Nothing received at this time.

REGION 3 - Region 3 First to Achieve EMS Certification - By Memorandum dated February 19, 2004, from the Regional Administrator to Morris Winn, Assistant Administrator, Office of Administration and Resources Management, the EPA Mid-Atlantic Region 3 Philadelphia Office certified our Environmental Management System (EMS) was implemented in accordance with the requirements of Executive Order 13148. Region 3 is the first Regional office to complete this milestone and Headquarters is planning to present the RA with a plaque at an awards ceremony to be arranged at a future date. A team of Region 3 employees has been working to develop, implement and integrate the EMS into our day-to-day operations to operate more efficiently and reduce the negative impact on the environment from our facility. Our employees have also responded to the EMS by reducing our paper consumption by approximately 30% and reducing our estimated annual electricity usage by 135,000 kWh. Through one internal and one external audit, Region 3 has verified that the EMS is operating, functional, and sustainable. (Steve Donohue, 4-3215)

GE Silicones XL Project Continues to Achieve Outstanding Environmental Performance - GE Silicones (formerly Witco OSi Specialties) is a specialty chemical manufacturer of silicone and silane products located in Sistersville, WV which entered into a Final Project Agreement (FPA) for an XL project on October 17, 1997. GE recently issued the sixth Semi-Annual Report for this project which summarizes the environmental achievements for the period July 1, 2003 to December 31, 2003. As part of the project, GE completed hazardous waste minimization and pollution prevention activities. One part of the project involves the collection and reuse of methanol generated in the production of methyl capped ether. Over 389,000 pounds of methanol (2.466 million pounds since inception) have been collected during the reporting period and shipped offsite for reuse. Prior to the XL Project, this methanol was disposed of in GE's wastewater treatment plant. The collection and reuse has resulted in a significant reduction in sludge generation along with reduced methanol air emissions. In addition, GE completed a Waste Minimization/Pollution Prevention (WM/P2) study involving many plant employees and the EPA Region III Waste Minimization Team. GE implemented 10 new waste minimization opportunities identified by the study in 2003 which resulted in an additional waste reduction of 485,000 lbs/yr and cost savings of \$269,000 per year. Total waste reduced since initiation of the XL WM/P2 project is 15,559,000 pounds/year and \$7,085,000 in recurring cost savings. (Tad Radzinski, 4-2394)

Urban Retrofit Using Low-Impact Development Technologies Significantly Reduces Toxics Loading, Washington D.C. - Region 3's EAID and WPD divisions have been working together with the District of Columbia, Prince George's and Montgomery Counties to develop and implement a multi-jurisdictional urban retrofit pilot project to reduce toxics and improve water quality at impaired sub-watersheds using Low Impact Development (LID) Techniques. A multi-jurisdictional Steering Committee partnership oversees and implements the program.

LIDs are an innovative cleanup and pollution prevention option for addressing storm water management issues. They maintain or restore the natural hydrologic functions of a site to achieve

natural resource objectives and fulfill environmental regulatory requirements. LIDs employ a variety of natural and manmade features that reduce the rate of runoff, filter out pollutants, and facilitate the percolation of water into the aquifer. By reducing water pollution and increasing groundwater recharge, LIDs help to improve the quality of receiving surface waters and stabilize the flow rates of nearby streams. Our monitoring has shown that up to 83.5% of hazardous constituents, dispersed within the surface area influenced by a LID, are prevented from migrating into the nearby water body by the strategic placement of these innovative stormwater management systems.

Because of the growing interest in this emerging technology, the Steering Committee is also hosting the first national LID conference this September. The primary purpose of the conference will be to inform practitioners of the benefits of incorporating LIDs into designs and permit requirements, how to anticipate and address the real impediments to implementing these techniques, and ways to accelerate change in state and local stormwater management practices. **(Nick DiNardo)**

New Performance Track (PT) Members/National State-EPA PT Meeting – Region 3 inducted three new members – The City of Manassas' Maintenance Garage (VA), duPont's Stine-Haskell Research Laboratory (DE), and Cardone Industries (PA) – into EPA's National Environmental Performance Track Program this month. These facilities, along with other PT Members, have made substantial voluntary commitments over the next three years to reduce their energy, water, materials consumption; reduced air emissions, water discharges, and waste; while increasing environmental product performance. On February 11-12, EPA hosted the annual State and Regional Performance Track Conference. This year's theme was "Institutionalizing Performance-Based Programs." The group discussed various innovations that were ripe for scale-up and the need to create and maintain strong partnerships to mainstream the States' earlier innovations (e.g., Environmental Results Programs (ERP), Maine's STEP-UP program, etc.). Also, the group emphasized the need to report results--ways to improve the program's environmental performance record through solid commitments and data collection, while having a working balance--striving for program excellence while minimizing onerous requirements. **(Contact: Marie Holman)**

REGION 4 - EnergyStar Initiative in Sam Nunn Atlanta Federal Center (SNAFC): GSA, EPA and DOE representatives attended the February 5, 2004 meeting of the SNAFC EnergyStar Team and reported that a new focus will be addressing space heaters in the building. A memo is being drafted to go to all tenants of the building. Activities so far, are estimated to have saved 9% of energy use and continued improvements may enable an EnergyStar designation in the fall. It is also reported that the SNAFC contractor is developing additional solutions and activities to reduce energy on their own. **Contact Danny Orlando 404 562-9087**

Green Engineering Session at National Assistance Summit: Region 4, Florida P2 Program, University of FL and the National Green Engineering Office developed a track, which has been accepted by the Summit. The presentations will highlight FL's successful implementation of the program. **Contact Dan Ahern 404 562-9028**

Office of Pollution Prevention and Toxics Visit to Region February 24-25: A briefing for Charlie Auer, OPPT director and staff was performed February 25, 2004. DOD, Regional P2 teams and State Representatives attended. Predetermined issues were discussed and some were resolved, including an agreement to reprogram funds to the regional office, and develop a multi-year plan based on a P2 Vision. OPPT did not agree to engage the regions in the P2 Indexes at this time. OPPT will look into seeing about utilizing the Retiree programs in other regions. P2 Staff visited with regional staff engaged in other reduction activities in the region. **Contact Dan Ahern 404 562-9028**

REGION 5 - Nothing to report at this time.

REGION 6 - Healthcare Sector Workbook and H2E: Reviewed information on the Healthcare Sector notebook as it relates to H2E. Provided information to the Region 6 Pollution Prevention (P2) Roundtable consisting of the states; and to the Region 6 Prevention and Environmental Resource Conservation Committee (PERC) for possible collaboration and partnership opportunities. Participated in the H2E conference call being coordinated by the Texas Commission for Environmental Quality (TCEQ). Notes, updates and possible partnering opportunities were provided to other staff members for collaboration opportunities. **Joy Campbell (214) 665-8036**

Pollution Prevention for Redevelopment Project: Did research and provided appropriate referrals for P2 opportunities which could be used to reduce regulatory exposure in a redevelopment project. The Region 6 constituent was involved in a project to convert an old school into a retail development in downtown Dallas. **Joy Campbell (214) 665-8036**

Pollution Prevention Assistance for Construction: Did research and provided appropriate referrals for pollution prevention opportunities which could be used to reduce regulatory exposure in a construction project in New Mexico. The constituent used the Compliance Assistance Centers to check on his regulatory obligations and then used the P2Rx Center information to try to reduce his regulatory exposure as much as possible in the planning stage of the his project. **Joy Campbell (214) 665-8036**

Transition of the P2Rx Center in Region 6: Negotiations with the outgoing center and the new center resulted in resolution of a variety of issues in order to ensure the success of a pollution prevention resource center in Region 6. Both centers had valid issues but were also committed to the ethic of pollution prevention in our Region and to the continuation of partnerships which have been formed through the Region 6 P2 Roundtable. The issues were resolved in a manner which will continue to foment valuable partnerships necessary to ensure the success of pollution prevention in Region 6. **Joy Campbell (214) 665-8036**

National Strategic Plan (NSP) 5.2.1 and 5.2.2: Review and comments were coordinated and provided on to OPPTS on both 5.2.1 and 5.2.2. Comments focused on how the Regions would be able to contribute to the measurements and various issues surrounding the proposed goals.

Suggestions were proposed which would allow a better regional and state focus while also feeding into a national picture. **Joy Campbell (214) 665-8036**

P2 for NPDES Inspectors: Researched and prepared a presentation for P2 for NPDES Inspectors as well as a bio. Presentation was scheduled for the Region 6 NPDES training workshop which consisted of participants from federal, state and municipalities. **Joy Campbell (214) 665-8036**

P2 Roundtable and Sustainable Oklahoma: Worked on coordination and logistics for the Region 6 P2 Roundtable meeting to be held in Norman, OK, March 10-12, 2004. Joy Campbell (214) 665-8036

REGION 7 - Region 7 Sustainable Transportation Initiative: Region 7 is using the Community-Based Social Marketing concept, developed by Doug McKenzie-Mohr, in an effort to increase "sustainable transportation" (bus/carpool use) ridership for Regional Office commuting. A couple of committed bus riders are teaming with our Office of External Programs and the two primary transit companies serving the Kansas City metropolitan area in this effort. Focus groups covering bus riders, carpoolers, and drive-yourselfers are being scheduled, to be followed by a survey of the entire Regional Office. (Wes Bartley, 913-551-7632)

Region 7 Motorpool: In keeping with our commitment to "lead by example", and to adhere to the Alternative Fuel Vehicle" requirement of Executive Order 13 149, EPA Region 7 is adding one "Hybrid" gasoline/electric vehicle to the regional office fleet. After three years of experimenting with an "All Electric" vehicle, a decision was made to discontinue the use of vehicles of this type, due to the limited range and other power related shortcomings. This vehicle is being removed from the regional office fleet. After much research and networking with other agencies, federal, state and local, a decision was made to replace the all electric vehicle with a vehicle that better serves our purposes. The ARTD division coordinated with PLMG and the GSA to pursue the addition of a Hybrid vehicle to our fleet. This vehicle has been ordered, and should be placed into service within the next 6 to 9 months. (George Moody, 913-551-7106)

REGION 8 - Environmental Compliance and Pollution Prevention Training Provided to North Dakota State Parks as Part of the Region 8 Pollution Prevention Roundtable's Public Lands Initiative: As part of the Region 8 Pollution Prevention Roundtable's Public Lands Initiative, the Pollution Prevention team provided training in environmental compliance, pollution prevention and environmental management systems to 28 participants representing 12 national and state parks in North Dakota during the week of February 10, 2004. As a result of the training, participants improved their test scores from 76% to 97% in knowledge about these subject areas. This effort represents the first time environmental regulators have developed a pollution prevention and environmental compliance outreach program for state parks. Montana, South Dakota and Wyoming plan to conduct similar outreach projects in the future. The Region 8 Pollution Prevention Roundtable is comprised of representatives from each of the Region's state pollution prevention programs. As a result of requests received during the training, the Pollution Prevention Team will provide technical assistance to three parks this summer, which will also

serve as an opportunity to train the North Dakota Pollution Prevention Coordinator on these activities. **Marie Zanowick, 303-312-6403**

Frederick Ross Company Joins ENERGY STAR: Frederick Ross Company has joined the ENERGY STAR program, committing 11 million square feet of office, retail, industrial, multi-family and warehouse properties throughout Colorado to improve the energy performance of its portfolio. The Frederick Ross Company, a member of ONCOR International, Washington, D.C., provides property and asset management services to a diverse client base with offices in Denver and Colorado Springs, CO. ONCOR International has 50 offices in 36 counties serving over 200 major commercial markets. Region 8 will manage the entire Frederick Ross portion of the account. **Patty Crow, 303-312-6464**

Air Force Academy Establishes Partnership With ENERGY STAR: The U.S. Air force Academy in Colorado Springs has signed a partnership agreement with ENERGY STAR to improve the energy efficiency of the campus of nearly 10 million square feet. Buildings include offices, residence halls, K-12 schools, a hospital, warehouses and classrooms. The Academy is planning a formal signing ceremony. No date has been set. Region 8 will manage the account. **Patty Crow, 303-312-6464**

REGION 9 - Developing an Emerging Chemicals Framework: Along with OPPTS' Design for the Environment (DfE) Program, Associate Director Dave Jones and P2 Team Staff, Eileen Sheehan and John Katz, are organizing and helping facilitate development of an EPA framework for emerging chemicals. Participants agreed to draft an Emerging Chemicals Framework to ensure the Agency speaks with one voice on selected emerging chemicals of concern. The aim is to develop a parallel track approach for gathering risk and toxicity information along with pollution prevention/alternatives information for the emerging chemicals. For a limited group of nominated emerging chemicals, the Agency would develop a desk statement and undertake an alternatives analysis. The approach is similar to one piloted by R9 and HQ on brominated flame retardants and on a dry cleaning alternative, Decamethyloctapentasiloxane (D5).

Furniture Flame Retardancy Project: On March 9, 2004, Leif Magnuson of the P2 Team and EPA DfE program staff met with 26 furniture and fabric manufacturers in Greensboro, NC. There was universal support for a partnership to evaluate the environmental profiles of several chemical and technological alternatives to PentaBDE - the Brominated Flame Retardant being voluntarily phased out by industry by the end of 2004. The furniture industry has expressed its desire to select the most environmentally benign alternatives possible. Costs will also be considered. The next meeting will be with chemical companies and polyurethane foam mfgs., most likely in May in Washington, DC. Barrier fabrics, inherently non-flammable foam (e.g. graphite impregnated) and chemicals will be considered.

EPEAT - Electronic Products Environmental Assessment Tool: John Katz attended a meeting in Austin, TX on January 28-29, 2004 to provide comments on including toxic chemicals, notably BFRs, in green electronics standards - similar to TCO and Blue Swan in Europe - that this group is developing for the U.S. Several major electronics mfgs. were present.

Arctic Council Action Committee: David Jones, Waste Management Division Deputy Director attended a meeting of the action committee in Oslo, Norway, January 27-29 to decide priority BFR efforts for the committee to focus on during the next few years.

Dioxin P2 Project Wraps Up: John Katz attended the final meeting of the Bay Area Dioxins Pollution Prevention Project Task Force. The Project Task Force was convened by ABAG and composed of representatives from 8 Bay Area jurisdictions. The 3 year project was funded by EPA and local governments to identify and implement pollution prevention strategies to reduce dioxin emissions. The Project identified five key opportunities for local government action: purchasing chlorine free paper, promoting alternatives to PVC in building materials, improving medical waste management to reduce incineration, and promoting alternatives to diesel powered equipment. The Project then developed information, materials, and strategies to assist governments. In its final report, the Project partners tallied more than 60 projects being conducted by local jurisdictions throughout the Bay Area to implement these and other dioxin-reducing measures. The environmental results of these efforts are still being tabulated.

Measurement for the Bay Area Green Business Program: John Katz of the Pollution Prevention Team will attend a meeting of the Bay Area Green Business Program to finalize a system for measuring pollution prevention progress. John has been working with Green Business program coordinators in 4 Bay Area counties to develop a set of metrics and measurement tools to track the environmental results from the program. The Green Business program provides public recognition and marketing support for businesses that are in compliance and have implemented pollution prevention.

South Phoenix Multimedia Toxics Reduction Project: Last week, Leif Magnuson of the P2 Team presented two proposals to a South Phoenix Community group now drafting a plan to reduce toxic emissions in the S. Phoenix area. The two proposals were: 1) Industry Challenge/Good Neighbor Partnership, and; 2) Diesel Emissions Reduction Project. The Industry challenge proposal received the greatest interest. It would challenge industry to voluntarily reduce a list of priority toxic chemicals by given amounts over time. It would also require them to conduct enhanced safety audits to minimize the chance of accidental releases. This project was initiated by the Air Division in 2003.

Source Reduction Grants: The Pollution Prevention Team received over 46 pre-proposals under our Source Reduction grant solicitation on topics ranging from green building and solar energy to hospital waste reduction. The cross-media grant review is getting underway and proposals will be selected sometime in April.

Western Regional P2 Network: On March 16 and 17 John Katz of the Pollution Prevention Team attended a meeting of the Steering Committee for the Western Regional Pollution Prevention Network (WRPPN) in Sacramento. The Network links more than 250 pollution prevention providers throughout the region through information sharing, training, and special projects. The meeting established workplan priorities for the coming year, formalized the role of the committee, and determined sessions and facilitators for the WRPPN conference in the fall.

Hospitals for a Healthy Environment (H2E): Eileen Sheehan of the Pollution Prevention Team reviewed hospitals' applications for the 2004 Hospitals for a Healthy Environment (H2E) Awards program including the Environmental Leadership award and the Making Medicine Mercury Free. The national review panel confers on February 18th for final decisions on the more than 75 applications received for 2003. Awards are presented at the American Hospital Association's annual meeting or at Statewide meetings if preferred. Twenty four California hospitals or organizations were among the applicants.

Region 9 signed on this month as a Champion for Change in the Hospitals for a Healthy Environment (H2E) partnership program sponsored by the American Hospital Association, EPA, the American Nurses Association and Health Care Without Harm. Over 130 hospitals and agencies in Region 9 have joined H2E as partners over the last several years. More than 40 Region 9 hospital partners and agencies have received awards for reducing mercury and overall waste. Region 9's P2 Team recently completed a healthcare waste reduction toolkit, giving hospitals concrete information on mercury reduction, solid waste reduction, sterilant replacement and alternative janitorial mop systems. In addition, Region 9 conducted pollution prevention assessments at three Tribal clinics and provided pollution prevention grants to State and local agencies to work with hospitals to reduce their waste.

Tribal Clinic Pollution Prevention Assessments: Wendi Shafir of the Region 9 P2 Team conducted 3 Tribal Clinic Pollution Prevention Assessments on Feb 25 and 26 at the Moapa, Fort Mojave and Peach Springs clinics. The emphasis was on the H2E goal of mercury reduction but also on identification of cost effective infectious, hazardous and solid waste reduction opportunities and encouraging membership in our Hospitals for a Healthy Environment partnership.

National Green Dealerships Program: Leif Magnuson of the P2 team met with U.S. representatives from Toyota Mfg. Corp. to discuss possible models for a national "Green Dealerships" program. Toyota and other North American auto manufacturers are interested in developing standards for improved environmental performance at automobile dealerships. They are seeking EPA and Cal-EPA involvement. As the program model matures, Leif will coordinate with EPA HQ Offices OECA, OPPTS and OPEI to seek their involvement and sponsorship.

REGION 10 - Nothing received at this time.

Consolidated Monthly Reports for March 2004

REGION 1 - Nothing received at this time.

REGION 2 - Environmental Management System Workgroup: Stan met with the EMS workgroup on 3/31 to continue planning for the "roll-out" of the EMS education effort, around April 19. This includes an announcement from the RA, lobby displays, and posters for all EPA floors. Stan Siegel, 212-637-3701

NYSDEC/EPA P2 Opportunities Meeting: On March 4, Stan hosted this meeting with New York State Department of Environmental Conservation (NYSDEC)(led by Jeff Sama, Director, Division of Environmental Permitting), New England Waste Management Officials Association, and with representatives from each division within EPA Region 2 to explore opportunities to partner with NYSDEC in Pollution Prevention efforts. Stan Siegel, 212-637-3701

REGIONS 3, 4, 6, 7 - Nothing received at this time.

REGION 5 - MI/DOD P2 Partnership Sponsors Federal Facility Environmental Workshop

- Michigan/Dept. of Defense P2 Alliance held this one-day workshop at Selfridge Air National Guard Base near Detroit on March 16, 2004. This was the best attended annual workshop yet in the 3 years it has been offered with about 65 federal facility environmental staff and managers, federal contractors, and Michigan state environmental staff and managers. The morning session focused on implementation of Environmental Management Systems and included a panel from TARDEC which is the first DOD research lab to attain ISO 140001 EMS certification. Afternoon sessions were on Environmentally Preferable Purchasing, Update of New Air Quality Regulatory Programs, and NPDES Storm Water Phase II regulations. This activity fulfills the P2 Alliance's goal to improve environmental performance at military facilities in Michigan through training, information exchange, and compliance and P2 assistance activities. **(Phil Kaplan 312/353-4669)**

WasteWise Partner Network Meeting - Region 5 held a WasteWise Partner Network Meeting at Brookfield Zoo on March 24, 2004. This was the first network meeting organized by Region 5 staff (as opposed to EPA HQ staff). Waste Wise partners have asked for more regional office involvement in the program. Approximately 20 people attended. Partners shared success stories and also identified challenges facing waste reduction programs. Brookfield Zoo staff provided a tour of their composting facility to attendees. Follow-up actions will include establishing a listserv to support more peer exchange and holding additional network meetings in the Region. The next meeting will be held in Indianapolis in September. **(Susan Mooney, 312/886-3585)**

Great Lakes Regional P2 Roundtable Sets Date for Next Conference - The next conference will be held September 23-24, 2004 in Columbus, OH. Further information will become available on the website shortly at <http://www.glrppr.org/columbus2004/>
(Phil Kaplan 312/353-4669)

REGION 8 - Environmental Management System (EMS) Training for ARS: Dianne Thiel, Federal Facilities Coordinator, teamed with Jim Behrmann from U.S. Fish and Wildlife Service Region 6 and Denise Rayborn of the U.S. Department of Energy's National Renewable Energy Lab to teach a class called "Designing Your EMS" for the Northern Plains Area Office of the USDA Agricultural Research Service (ARS) March 23-25, 2004, in Fort Collins, CO. Twenty-three ARA safety and collateral duty safety officers were trained. The objective of the class was to give participants an understanding of the requirements of the voluntary international ISO 14001 EMS Standard so they could move forward with EMS development and implementation to meet the December 31, 2005 Federal deadline. The participants developed draft work products to

speed their EMS implementation when they return to their field stations. Participants went home with a working draft environmental policy for their facility, a list of types of people to include on their EMS team, a draft list of external stakeholders, a list of ways in which to involve their management in the EMS, a list of EMS design questions to consider, ideas on integrating emergency planning into the EMS, draft EMS language for performance agreements, and a short “elevator speech” about the EMS to use when they return to the office. Participants in the training completed evaluation forms and indicated very high satisfaction with the class. **Dianne Thiel, 303-312-6389**

Catholic Health Initiatives (CHI) Signs ENERGY STAR Partnership: Catholic Health Initiatives, a Colorado private non-profit healthcare corporation has joined ENERGY STAR by committing its entire portfolio of 65 hospital and healthcare campuses and 40 long-term care and assisted-living facilities throughout 21 states. With this partnership, CHI is making a fundamental commitment to protect the environment through continuous improvement of energy performance for 18-20 million square feet. The CHI is the third largest privately owned non-profit healthcare organization in the United States. The company has 67,000 employees, \$202.9 million 2003 net income and a one-year net income growth of 73.3%. Kick off events are scheduled for Fargo, Nashville, Kansas City, Portland, and Denver. The first event was scheduled in Fargo, North Dakota, on March 12th. Region 8 will manage the account with assistance from Headquarters. **Patty Crow, 303-312-6464**

Poudre School District - Zach Elementary Received Sixteenth ENERGY STAR Bronze Label: Poudre School District was awarded its sixteenth ENERGY STAR Bronze Label for Zach Elementary during a special event on March 10, 2004. To date, eleven schools and one office building have earned the prestigious Label and four of the schools have earned two labels. Starting in 2001, Poudre School District incorporated ENERGY STAR Target Finder for New Construction and Design into its design and construction of new schools and buildings. By setting the energy target for new buildings, it has allowed the District to save over \$8,000.00 in utility costs at Zach Elementary while reducing greenhouse gas emissions by 229,000 pounds. Region 8 manages the account. **Patty Crow, 303-312-6464**

Colorado and Utah Home Builders Win 2004 ENERGY STAR Partner of the Year Awards: Engle Homes Colorado, a division of TOUSA Homes, Inc. of Englewood, Colorado, and Ence Homes of St. George, Utah, have been named ENERGY STAR Partner of the Year for their outstanding contribution to reducing greenhouse gas emissions by building energy-efficient homes. Architectural Energy Corporation of Boulder, Colorado, also received ENERGY STAR special recognition for New Homes Technical Excellence. Award winners were recognized at an awards ceremony in Washington on March 2, 2004. Engle Homes Colorado has built over 1200 new ENERGY STAR qualified homes since joining the program in 2002. Ence Homes, a partner since 1999, has built nearly 1100 ENERGY STAR qualified homes. Every ENERGY STAR qualified home keeps 4,500 pounds of greenhouse gases out of the air each year. **Patty Crow, 303-312-6464**

REGION 9 - Western Regional Pollution Prevention Network (WRPPN): John Katz of the Pollution Prevention Team attended a meeting of the Steering Committee for the Western Regional Pollution Prevention Network (WRPPN) in Sacramento. The Network links more than 250 pollution prevention providers throughout the region through information sharing, training, and special projects. The meeting focused on setting workplan priorities for the coming year, formalizing the role of the committee, and planning the WRPPN conference in the fall.

Brominated Flame Retardant: Leif Magnuson of the P2 Team and EPA DfE program staff met with 26 furniture and fabric manufacturers in Greensboro, NC. There was universal support for a partnership to evaluate the environmental profiles of several chemical and technological alternatives to PentaBDE - the Brominated Flame Retardant being voluntarily phased out by industry by the end of 2004. The furniture industry has expressed its desire to select the most environmentally benign alternatives possible. Costs will also be considered. The next meeting will be with chemical companies and polyurethane foam mfgs., most likely in May in Washington, DC.

Reduce Toxic Emissions in the S. Phoenix Area: Leif Magnuson of the P2 Team presented two proposals to a South Phoenix Community group now drafting a plan to reduce toxic emissions in the S. Phoenix area. The two proposals were: 1) Industry Challenge/Good Neighbor Partnership, and; 2) Diesel Emissions Reduction Project. The Industry challenge proposal received the greatest interest. It would challenge industry to voluntarily reduce a list of priority toxic chemicals by given amounts over time. It would also require them to conduct enhanced safety audits to minimize the chance of accidental releases. This project was initiated by the Air Division in 2003.

Elimination of the Use of Perchloroethylene in Dry Cleaning: Eileen Sheehan of the P2 Team provided comments on March 15th to the City of Los Angeles, Environmental Affairs Department, on their draft dry cleaning report on "Elimination of the Use of Perchloroethylene in Dry Cleaning." Specifically she provided updated information about EPA's concerns about the possible carcinogenicity of the alternative dry cleaning solvent D5, sold under the trade name Green Earth and information on another possible dry cleaning solvent, n-Propyl Bromide (nPB). The National Toxicology Program and California's OEHHA and Department of Health Services all recently issued statements or alerts about nPB as a likely reproductive toxin.

Source Reduction Grant Solicitation: The Pollution Prevention Team received over 46 pre-proposals under our Source Reduction grant solicitation on topics ranging from green building and solar energy to hospital waste reduction. The cross-media grant review is getting underway and proposals will be selected sometime in April.

Brominated Flame Retardant Working Group of the Arctic Council: John Katz of the Pollution Prevention Team participated in a HQs briefing of Solvaar Hardeng from the Norwegian Pollution Control Authority. Hardeng is chairing the Brominated Flame Retardant Working Group of the Arctic Council, and Dave Jones is the U.S. representative on the Working Group. The Working Group is developing a proposal for consideration by the Arctic Council to coordinate efforts to reduce use and exposure to BFRs in the Arctic. The briefing for Ms.

Hardeng covered current U.S. activities on BFRs, including the R9 work with electronics and furniture manufacturers on evaluating alternatives.

Alternative Dry Cleaning Solvent Under Discussion: RR Street, the largest marketer of perchloroethylene and other dry cleaning solvents, visited Region 9 on 3/23 to introduce their new *Resolve* dry cleaning system, based on a propylene glycol ether solvent known as Dipropylene Glycol Normal Butyl Ether (DPnB). RR Street is jumping into the rapidly shifting dry cleaning solvent market created by South Coast AQMD's gradual phase-out of perc, culminating in a ban on perc by 2020. DRA Laura Yoshii joined Pollution Prevention and Solid Waste Chief, Heidi Hall, Eileen Sheehan (P2 Team), Keith Silva (Water), Mike Bandrowski (Air), and Barbara Toole O'Neil (Air) to learn from RR Street about the new solvent and to ask about the toxicity, life cycle, VOC content and safety of the chemical and system.

REGION 10 - Held the P2 State Coordinator's meeting on Monday the 15th, an 8 hour P2 training for Regional Inspectors on the 16th and the Regional Roundtable on the 17th and 18th. The inspector training was held for 50 attendees. Federal representatives, were conflicted about the OECA policy regarding compliance assistance. Good dialogue between seasoned inspectors (that know small companies rely on inspectors for information) and legal staff worried about the integrity of enforcement cases. Attendance at the roundtable was "off" at 45 people but feedback forms were generally positive. A two track program offered sessions on EPP and Lean Manufacturing. Manufacturing Extension Services and Washington Malcolm Baldrige sessions were particularly successful. Some dialogue about substituting Malcolm Baldrige participation for state P2 reporting. In this way, a company could get a quality credential while meeting state reporting requirements.

Met with GSA and King County representatives to negotiate the removal and proper disposal of Hg containing switches in the hood and trunk assemblies of EPA fleet cars. GSA offered to remove the switches in all GSA vehicles in the Northwest Arctic Region. The removal will happen at the auction houses before the vehicles are surplus. The number of cars in this fleet is 16,000. We calculate this to mean the removal of over 21 pounds of mercury that might otherwise have been released into the environment.

Held Bainbridge Island P2 retreat on Bainbridge to discuss 04 projects and the format of the annual roundtables. Two notable outcomes were to start researching the use of the term Clean Production as opposed to P2 and that the 04 roundtable would investigate the linkages between Clean Production and insurance costs. The logic is that risk is the currency of both environmentalists and the insurance sector.

New Toxics Use Reduction Coordinator named at the Oregon DEQ: David Livengood. David has a long and positive reputation in the P2 community and R10 is glad to have P2 program coordination back on line in Oregon.

Contacts: Carolyn Gangmark (206) 553-4072 and Robert Drake (206) 553-4072

Consolidated Monthly Reports for April 2004

REGION 1 - Nothing received at this time.

REGION 2 - Hospitals: With Region 2's assistance, the Kentucky Pollution Prevention Center (KPPC) is updating its "Healthcare Guide to Pollution Prevention Implementation Through Environmental Management Systems." This EPA National guidance document outlines how EMSs can benefit the hospital sector. **Linda Longo 212-637-3565**

Golf : In conjunction with U.S. Golf Association, we are negotiating a voluntary agreement with 35 Golf courses in Long Island, NY to reduce nitrogen applications on their golf courses. We hope to sign this agreement at a press conference during the week immediately preceding the US Open at Shinnecock Hills Golf Course. **Tristan Gillespie 212-637-3753**

Environmental Assistance Summit- Baltimore, MD: Our Region participated in the National Environmental Assistance Summit in Baltimore, which was highlighted by an all-day P2 Coordinator's meeting on Monday. The Iowa Department of Environmental Quality reported that they have intern program for students who are placed in summer positions at Iowa companies to identify P2 opportunities. We are planning to replicate this program in Region 2. **Tristan Gillespie 212-637-3753**

Tribal: We are working with the Haudensaunee Environmental Task Force (HETF) to promote green building/community design and funding opportunities for pollution prevention projects for Region 2's Indian tribes. **Tristan Gillespie 212-637-3753**

Performance Track: Our regional administrator, Jane Kenny, presented National Performance Track Awards to two companies and welcomed four new members at the 2004 Performance Track Conference in Baltimore, and welcomed four new member to the program. She also gave an Environmental Quality Award to Lockheed Martin Maritime Systems and Sensors for its work with New Jersey officials to establish a Household Hazardous Waste Collection Program in Moorestown, NJ. This business/state effort is the first of its kind in New Jersey. **Marcia Seidner 212-637-3584**

Regional P2 Council: In order to implement P2 region-wide, we have set up a P2 council, made up of representatives from each division. The group will meet on a monthly basis to develop a scientifically sound set of priorities for the Region's P2 programs that would be based on toxicity, prevalence, pathways, and P2 opportunities. **Stan Siegel 212-637-3701**

REGION 3 - Region 3 and 4, web visits for the Waste Reduction Resource Center(WRRC) increase to record levels at no extra cost: Site visit figures for the Jan-Mar 04 Period show major increase over similar period last year: P2 Infohouse 287,465 (81% increase from Jan-Mar 03) WRRC 35,213 (34% increase from Jan-Mar 03); WRRC first time visits 27742 (35% increase from Jan-March 03). WRRC has estimated that about 9% of the visits are international. Currently Regions 3 and 4 combine funds to support the WRRC site located at the North Carolina

Department of the Environment and Natural Resources, Division of Pollution Prevention, (<http://www.p2pays.org/>). One can thank search engines such as Google and Yahoo, which reward popularity, for the increase. This site is on their first page when the words “pollution prevention” are entered in the search box. Google and Yahoo are the most popular search engines. The EPA P2 program, along with other voluntary EPA programs, depends on outside interests to successfully meet its environmental goals.

Note: These WRRC statistics do not include down times – six days of downtime in March of 2004. There was no downtime during the first quarter of 2003. For details about WRRC site visits call Ron Still 1-800-763-0136 X6520

P2 Summit (April 19-22) in Region 3. The states in Region 3 found the P2 Summit in Baltimore especially helpful this year. In questioning some of the R3 state participants about the benefits of the conference the following comments were received:

- Delaware, we came looking for ways to improve our P2 program. It was great to hear about other projects and the lessons learned. As a follow up, we are going to participate in the Hospitals for a Healthy Environment (H2E) Program and lead some stormwater workshops.
- Maryland, the summit helped confirm and validate my feelings about P2. For example, a new study was presented by EPA about Environmental Justice. Although I believe in promoting environmental justice, there were several concerns voiced from the audience which confirmed my opinion about the particular findings of the study.
- Virginia, combining Compliance Assistance, Performance Track, and Pollution Prevention allowed for better networking and promoted a more in depth perspective about environmental issues. It was particularly reassuring to experience a highly focused session on sustainability, Sustainability –Global to Local. Through the speaker, Lynn Helbrecht, I discovered the great leadership of Washington State, on this topic. The other speakers at this session were brilliant, and I left with a much clearer understanding about how to promote sustainability in my state.

George Walker: 410-305-2738

REGION 4 - Waste Reduction Resource Center Will Release Half their Staff. Dan Ahern, Russ Wright, Carol Kemker, Gary Hunt NCDPPEA, Tom Tillman OPPTS discussed with Barbara D'Angelo Region 3, on April 15, 2004, their plan to withdraw from the MOU that the WRRC operates under. Region 3 intends to provide \$40,000 in additional grant funds to provide for transition to approximately September 1, 2004 and end its association with the WRRC at that time. Region 4 will assume responsibility for the P2Rx (national P2 Information Center) grant for the Center, which goes through September 2006.

Region 3 may at a future date, once it hired P2 staff person and reevaluated its program, want to reenter into an MOU. The net result of this decision will be that, without an alternative source of funding, NC DPPEA will have to let go of the three contract engineers at the WRRC paid by the

Region 3 grant by September 1. One of these engineers has been with the Center since its founding in 1989 and the two other have nearly 10 years of experience at the Center. Headquarters is still considering its role in maintaining some of this capability at the Center. The WRRRC web site and the P2 Library has about a million visitors a year. It is also a global P2 resource with over 9% of the web visits coming from outside the US. It is the P2 reference library for many P2 technical assistance providers as measured by the over 1,100 persons using the site 10 or more times a quarter. The loss of the retired engineers working at the Center will reduce future additions to the library that totals over 26,000 on-line documents. **John Calcagni 919 715-6534**

Georgia/DOD Sustainable Installation Partnership Meeting: Dan Ahern attended the second day of the GA Sustainable Installation Partnerships on April 7, 2004. Jay Basset of Federal Facilities attended the first day on April 6, 2004. The meeting was hosted by Robbins AFB at the Robbins Aviation Museum. The first day was basically partner updates and 11 of the 16 GA installations were present. The second day featured a presentation by Carol Couch the new GA EPD director. She grew up on military bases, was born at Ft Benning, and is into relationship building with military bases. She defined her vision of Sustainability as “leaving natural resources better than you found it and not deplete them for future generations”. She also said technical assistance/compliance assistance is needed, not more regulatory controls. She asked bases to look to the land conservation strategies, water demand usage reduction and for them to lead by example and take their successes and failures to their civilian neighboring communities. The meeting also focused on the new GA P2AD Partnership Program, Construction Sustainability and had a field trip to Robbins AFB’s new composting facility. **contact Dan Ahern 404 562-9028**

Meeting with KY Secretary on April 15, 2004: Dan Ahern, Cory Berish and Russ Wright, Regional ARA, met with the Secretary and Commission staff on the Regional Triad of Initiatives (PPG, Innovation and P2) Secretary Wilshire was sick so we met with the Deputy Secretary (Scott R. Smith) and the Commissioner and Deputy (Lloyd Cress and Tim Thomas). They expressed interest in pursuing a PPG and were very interested in the Green and Clean Indexes. **contact Dan Ahern 404 562-9028**

REGION 5 - Federal Electronics Challenge Steering Committee Meets to Plan National Launch - On April 29 members of Region 5 electronic waste team met with fellow Federal Electronics Challenge (FEC) steering committee members to plan the national rollout of the FEC this fall. EPA and the Office of the Federal Environmental Executive (OFEE) are developing the FEC to address the large volume of used electronics that the federal government generates. Discussion centered on how the lessons learned during the pilot phase of the program, which will end in June, can be used to make improvements for the program’s national introduction this fall. New issues such as how to bring new partners into the program and support them so they are successful were also covered. When the program is introduced all federal facilities will be able to utilize the FEC’s life-cycle management tools for their electronic assets. These tools educate facilities about purchasing greener electronics, how to increase the usable life of equipment, and finally how to responsibly manage the final disposition of their equipment. The FEC steering

committee hopes that by using these techniques the over \$50 billion worth of information technology equipment and services purchased by the federal government yearly will become an environmentally friendly model that others can look to for guidance and direction.

(Chris Newman 312/353-8402, Lucy Stanfield 312/886-1121)

Sustainable Behavior Change: Beyond Brochures Workshop - On April 19, Region 5 staff attended training on Fostering Sustainable Behavior, held in conjunction with the National Environmental Assistance Summit in Baltimore. The training was conducted by Dr. Doug McKenzie-Mohr, an environmental psychologist that specializes in community-based social marketing. Community-based social marketing draws heavily on research in social psychology which indicates that initiatives to promote behavior change are often most effective when they are carried out at the *community level* and involve *direct contact* with people. The main lesson learned in this workshop is that campaigns that rely solely on providing information often have little or no effect upon behavior.

The workshop focused on five main steps to fostering sustainable behavior: (1) select specific behaviors you want to promote; (2) uncover the barriers and benefits of those behaviors; (3) design a program to overcome the barriers; (4) pilot the program; and (5) implement and evaluate the program. We learned different techniques for encouraging people to commit to sustainable behaviors, and techniques to prompt people into *remembering* to act sustainably. Dr. McKenzie-Mohr also recommended that state and federal governments are in the better position to conduct research on barriers to particular sustainable behaviors on a large-scale data pool, instead of local communities trying to conduct this research on smaller scales and possibly duplicating efforts. It is important that thorough research and understanding on the barriers take place before designing a program, because only a program that addresses the barriers will succeed in effecting sustainable behavior change. For more information, go to <http://www.cbsm.com>

(Dolly Tong 312/886-1019)

Tribal Pollution Prevention Workgroup meets at the National Environmental Assistance Summit - On April 21, the Tribal Pollution Prevention (P2) Workgroup of the National Pollution Prevention Roundtable held its first face-to-face meeting during the National Environmental Assistance Summit in Baltimore. The Tribal P2 Workgroup consists of tribal, state, federal and other P2 assistance providers, and is co-chaired by staff from Region 5, Fond du Lac Band of Chippewa, and the Western Regional Pollution Prevention Network. We agreed to work with Montana State University on expanding their tribal P2 website into a national site that provides a one-stop shop for P2 information that would be of interest to tribes. We will collect information on tribal P2 projects that have been conducted, and seek input from tribes on how to best format a website that would get their attention and be user-friendly. We also explored ideas about promoting EMS approaches to encouraging tribal P2. (Dolly Tong 312/886-1019)

Tribal Construction and Demolition (C&D) Debris Management Training

The Tribal Association of Solid Waste and Emergency Response (TASWER) and Region 5 are sponsoring the above course, hosted by the Bois Forte Band of Chippewa in Tower, Minnesota, on June 15-17, 2004. TASWER sent out brochures advertising the course to all tribes and

Alaskan villages, EPA regions and offices, and others. TASWER is providing travel scholarships to eligible tribes to attend the training. The training will provide an overview of C&D debris management, from waste reduction to recycling to landfill operations. It will also feature tribal case studies and a site visit to Bois Forte's C&D landfill. For more information, go to <http://www.taswer.org> (Dolly Tong 312/886-1019)

REGION 6 - US/MX Border Projects: Provided addition review and comments of the top scoring projects for US/MX OIA funding and submitted to the Border Coordinator as requested. **Joy Campbell, (214) 665-8036**

Regional Strategic Plan, P2 Portion 5.2.2: Continued to provided additional revisions and rewrites to the MOA Coordinator. Researched the OPPTS FTE assigned to 6EN in order to correct information on the MOA for the P2 portion. **Joy Campbell, (214) 665-8036**

QA/QC Template Project to Capture P2 Successes/Measurements from Grants: Reviewed Louisiana's State QA template to see if parts could be used for the template we are attempting to be specific for P2. Called the Region 4 P2 Coordinator and the P2 lead in OPPTS to investigate if other templates have been used or any issues we should be aware of in attempting to design a template. HQ and Region 4 agreed that if Region 6 designs a template they would like to replicate for all the P2 programs to better represent P2 successes. **Joy Campbell, (214) 665-8036**

Assistance to NMED on Grant Projects: Provided assistance to NMED P2 Coordinator as in their Set Aside and Border grants. They have had changes in project managers, but are now catching up with deliverables commitments. **Joy Campbell, (214) 665-8036**

OPPTS Budget Issues: Coordinated with Roberta Armstrong and OPPTS HQ to ensure proper reassignment of Pollution Prevention Grant monies from HQ to Region 6. This will ensure monies will be available for obligation as the cooperative agreement proposals are selected and processed. **Joy Campbell, (214) 665-8036**

Small Scale Chemistry: Meeting with Gerald Carney regarding his work on Small Scale Chemistry and the direction he is taking. Assisted Gerald by contacting Arkansas and providing a contact to establish Small Scale Chemistry in Arkansas through a possible SEP. Possibilities are to use Small Scale Chemistry as the foundation for an P2 based EMS for schools which would be cost effective and educational to the children as well. This could fall in line with both SEPs and the Whole School initiative at OPPTS as well as an improvement based EMS. **Joy Campbell and Gerald Carney, (214) 665-8036**

Abstract Review to Select Speakers for EMS Session at the Federal Facilities Conference: Assisted Joyce Stubblefield to review and rank presentation abstracts on the topic above. All abstracts were reviewed and agreement was reached in the ranking of the presentations. **Joy Campbell and Joyce Stubblefield (214) 665-8036**

Environmental Assistance Summit: Participated in the National Pollution Prevention Coordinator's meeting and the Environmental Assistance Summit in Baltimore, MD. Facilitated the session for the Compliance Assistance Coordinator/Pollution Prevention Coordinator's meeting and provided facilitation for the P2 Vision Committee. Participated in the joint national P2 Committee for Measurements. In addition, held a Region 6 Pollution Prevention Roundtable meeting with the Region 6 State Partners, and met with OPPTS management for discussion of Region 6 participation for initiatives to focus on H2E and Greening the Supply Chain. Followup is currently in progress to bring forth a mission, goals, objectives and implementation time lines for the above initiatives. **Joy Campbell, (214) 665-8036**

Chinese Delegation Visit: Coordinated the morning session for the visit from the delegation from the Republic of China with the Office of International Activities and the presenters. In preparation for the visit and presentation, issues important to the Republic of China were researched as well as research for information for pollution prevention in the Cement Industry and the Food Processing Industry. The Region 6 presentation included pollution prevention program in Region 6 as well as the material pertaining to the above sectors. **Joy Campbell, (214) 665-8036**

Environmental Management System Training: Attended a 3 day course on Environmental Management Systems (EMS) which was provided for the City of Dallas at City Hall. The training emphasized the importance of sustainability and environmental improvement which must be included in any EMS. The ISO 14000 was the EMS used as the example of how most EMS do not include sustainability or environmental improvement and how without those included, the EMS is not effective in protecting the environment. **Joy Campbell, (214) 665-8306**

Region 6 Pollution Prevention Roundtable Conference Call: A conference call was held with the Region 6 states to followup on the initiatives discussed at the Environmental Assistance Summit and to discuss new ideas and comments from the summit. Focus is on selecting the top three initiatives that our states can agree on in order to have a stronger regional impact on our environment while still allowing for the geographical/state priorities in on each of the states. All the states have agreed on working towards the following initiatives: H2E (Hospitals for a Healthy Environment), Greening of the Supply Chain, and P2 in the Food Chain: from Agriculture to Food Processing. In addition, our Region will continue to work towards a template to use for measurement--that is specific to the voluntary nature of P2. **Joy Campbell, (214) 665-8036**

REGION 7 - EMS Conference. We are creating a new partnership with the Agriculture community by developing the Agriculture EMS Conference which will be held in Kansas City on May 25 & 26. This conference will foster better understanding of what an EMS could do for agriculture producers and processors. We expect to see a decision by some of the attendees to implement an EMS. We further expect this to lead to improved environmental performance in the agriculture community. Additional information on the conference can be found at www.ses-corp.com. (Ruben McCullers, 913-551-7455)

Region 7 Pollution Prevention Roundtable Meeting. The Region 7 P2 Roundtable (comprised

of EPA, state, university and NGO representatives) met in Kearney, Nebraska on April 5 - 7. The focus of the meeting was ethanol production, P2 opportunities and the effect of ethanol production on the environment. The Roundtable also toured a local ethanol plant (Gary Bertram, 913-551-7533).

P2 University. We launched the first AP2 University @ for Region 7 staff on April 28, featuring hybrid vehicles as an environmental alternative for personal driving. A total of 41 people attended the brown-bag style presentation and live demonstration of the 2004 Toyota Prius. Our next session is on May 12 on the topic energy efficiency titled "Home Helps." (Chris Hess, 913-551-7213).

REGION 8 - EMR Conducted at VA Medical Center in Grand Junction, CO: From April 13-15, 2004, an environmental management system review (EMR) was conducted at the VA Medical Center in Grand Junction, Colorado. The EMR looks at systems in place to manage the environmental program at a facility. These technical assistance visits recognize successful practices and identify gaps in the management systems that should be fixed prior to the December 31, 2005, deadline in Executive Order 13148. Some environmental compliance areas of concern were identified during the visit and coordinated with the Colorado Department of Public Health and Environment, as well as the Regional RCRA and NPDES programs. CDPHE sent the facility a letter on April 26, 2004, requesting copies of their procedures for managing hazardous waste by May 17, 2004. Additional EMRs will be done at the VA Medical Center in Cheyenne, WY, in May 2004 and at the Denver VA Medical Center in July 2004. **Dianne Thiel, 303-312-6389**

Avoiding Risk Through Pollution Prevention Session Presented to the Mesa County Environmental Health and Safety Seminar in Grand Junction, CO: Marie Zanowick of the Pollution Prevention Team presented a session on "Pollution Prevention and Green Engineering" to 40 business professionals in Mesa County, CO, as part of a two-day seminar on Sharing and Promoting Safety. Pinnacle Insurance Company, which is the largest insurer of businesses in Mesa County and has 71% of the market in the Grand Junction area, organized the seminar. The presentation demonstrates the value of working with insurers to encourage companies to lower their risk of accidents and spills that could lead to insurance claims by reducing their use of chemicals. As a result of Pinnacle Insurance's efforts, one company has eliminated methylene chloride in its operation. **Marie Zanowick, 303-312-6403**

Region 8 Helps Yellowstone National Park (YNP) Develop a Sustainability Management System (SMS). Marie Zanowick, together with Laura Estes of Montana State University and Steve Roseberry of Wyoming DEQ comprised an SMS assistance team. That team conducted an information gathering visit to YNP in support of YNP's goal of developing the first SMS at a Department of the Interior facility. YNP has developed an SMS Team as the first step in this process. During this technical support visit, the SMS assistance team interviewed over 60 Park employees to gather input on developing the Park's SMS policy. A return visit is scheduled for May to complete the SMS policy. Ongoing work is planned for FY 2005. **Marie Zanowick, 303-312-6403**

Two Pollution Prevention Assessments Performed in Montana as a Part of the State

Pollution Prevention Coordinators' Public Land Initiative: Laura Estes, Steve Roseberry and Marie Zanowick conducted pollution prevention assessments at two state facilities in Montana. In a coordinated effort to provide pollution prevention assistance to public lands in Region 8, the pollution prevention providers for each state selected public lands as their 2004 focus. To support this effort, Marie Zanowick provided training and technical assistance to the Bozeman County Fair Grounds and the Montana Fish and Wildlife Vehicle Maintenance facility in Bozeman, MT. This information will be used by the Pollution Prevention Roundtable to develop a state public lands pollution prevention handbook. Additional assessments are planned for facilities in North Dakota and South Dakota in June. **Marie Zanowick, 303-312-6403**

REGION 9 - Nothing received at this time.

REGION 10 - Followed up with Nordstrom as they look to purchase greener packing materials for new lines of furniture, pottery and glassware. Found a David Allaway out of ODEQ who has conducted life cycle analysis work on the materials in question.

Followed up with GSA and NATA representatives on Hg switch disposal from GSA vehicles auctioned in Idaho and Oregon. GSA signed the commitment for the Hg switch out program involving 16,000 vehicles..

Attended Apollo Plan for Green Energy Production meeting at the Seattle Federal Bldg. Business, political and non-profit support for the Northwest to position itself as renewable energy Mecca for the country. Trade show includes many pollution prevention technologies. Extensive and positive media coverage of the event.

Worked with the Region's EPA-state small business representatives. Asked them to consider merging their activities with the P2 Regional Roundtable's activities. Offered that the issues overlap and that we (EPA) don't want to have the same state reps answering to several EPA programs if we can help it. The group is considering the change. Will continue to work the issue.

Mailed out the Tribal and State applications for the 2004 Pollution Prevention Grants. Developed Regional guidance, cover letter, web site posting etc. Held a formal meeting with a U.S. DOE Regional official (met at the Apollo Project meeting the day before). He gave us an excellent lead on a potential Energy Star Partner: the Highline School District. (Two weeks later, the district did sign as a result). Our agencies share interests in biogas, solar and Energy Star. We agreed to continue meeting on a regular basis.

Continued to work with ODEQ as they reconcile P2 to their budget issues. They are now considering inserting the PPIS grant into their PPG.

Met with the Federal Facilities Environmental Roundtable (Puget Sound Federal Agencies). The group is a subgroup of the FEB and appears highly motivated to implement P2. Worked with Navy and DOE representatives on making B20 biodiesel available to the EPA's Manchester Laboratory and to the adjacent NOAA facility. A training for the fuel is being scheduled for

respective facilities people.

Jon Sandoval of Idaho has asked the Region's Gang of 7 (the state environmental commissioners, the R10 RA, the Commissioner from British Columbia and Bill Ross) to meet on the P2RX funding mechanism. The meeting will take place this summer.

Carolyn Gangmark (206) 553-4072 or Robert Drake (206) 553-4803

Consolidated Monthly Reports for May 2004

REGION 1 - Electronics Recycling: Chris Beling is working with Staples, the Product Stewardship Institute and the EPA's "Plug in to eCycling" program to launch a six (6) week electronic waste (E-Waste) recycling pilot beginning Sunday, May 30 and ending Sunday, July 11. The purpose of the project is to encourage local customers to recycle their computers, monitors and business machines at select Staples locations including:

MAINE: Bangor, South Portland, Lewiston, Brunswick, Biddeford, Falmouth, Waterville

MASSACHUSETTS: Woburn, Natick, Saugus, Danvers, Needham, Burlington, Brighton

NEW HAMPSHIRE: North Conway, Portsmouth, Rochester, Somersworth/Dover, Seabrook

RHODE ISLAND: Westerly

CONNECTICUT: Old Saybrook, New London, Norwich

The Pilot will test the economic viability of this retail reverse distribution model. The project is partially funded by EPA's Innovative Waste Group grant competition. **Chris Beling 617-918-1792**

Sustainable Hotels: On May 28, Robert Guillemin presented at the "Greening the Bottom Lines of Boston's Hotels" seminar organized by the Coalition for Environmentally Responsible Conventions (CERC). The workshop introduced staff from 12 area hotels to sustainable practices including recycling, water conservation, Energy Star certification, and EPP. An overview of environmental management successes was provided by Tedd Saunders, author of "The Bottom Line of Green is Black" and Executive Vice President of Environmental Affairs for the Saunders Hotel Group (owner of Boston's Lennox Hotel). The event concluded with a tour of the Lennox Hotel, a facility replete with sustainable features from low-flow showerheads and "green cleaners" to ozone-based washing machines and a climate-neutral lodging program. Seminar attendees received copies of three CERC publications: "5 Easy Steps to Making Your Hotel Greener," "Green Events Guide," and "Green Hotels Resource Guide." These publications are available on CERC's website at www.cerc04.org.

The seminar was organized as part of CERC's larger effort to "green" the Democratic National Convention taking place in Boston on July 26-29. Other CERC activities focus on transportation, energy, construction, composting food waste, and event planning. CERC's sister organization in New York City is promoting sustainable practices with the Republican National Convention. **Rob Guillemin 617-918-1814 or Cynthia Green 617-918-1813**

Internal EMS Audit: On May 24 and 25, the Boston Office conducted its first internal EMS audit. The audit was conducted by Linda Darveau, Gina Snyder, Peggy Bagnoli and Martha Curran, who prepared by participating in EMS Lead Auditor training programs. The auditors reviewed EMS documentation, interviewed approximately 40 EPA-NE employees and prepared detailed audit findings over the 2 days. The audit report will be submitted, as required, to Headquarters on June 15 to fulfill the requirement of Step 10 of the 12 step EMS implementation. **Jean Holbrook 617-918-1816**

REGION 2 - P2 Grants Competition - Status Report: Based on the number of proposals submitted, we had the most successful P2 grant competition in terms of response in EPA Region 2 history. We received 20 applications for our P2 program (funding: \$476,420) and 33 for our Source Reduction (Small Grant) Program (funding: \$239,525). After a multi-program review, 8 P2 applications and 9 Source Reduction applications were selected to go forward for final review. **Tristan Gillespie 212-637-3753**

Nitrogen Management Challenge: As part of our effort to reduce the amount of nitrogen, a primary pollutant of concern, from entering the Peconic Estuary, we are working with golf courses to limit their fertilizer use. Our Nitrogen Management Challenge is a voluntary partnership between EPA, the US Golf Association, Cornell University, Suffolk County and the local environmental community. We sent out a mailing to 32 golf courses on the East End of Long Island encouraging them to participate in the Nitrogen Management Challenge. At present, we have 20 participating golf courses out of the 32 golf course within the Peconic Estuary Watershed. After the golf course superintendents have signed this agreement, we anticipate having a press conference celebrating this agreement in September. **Tristan Gillespie 212-637-3753**

REGION 3 - EMS Briefing for SWEP - On May 12, 2004, Steve Donohue represented EPA at a Society of Women Environmental Professional meeting dedicated to Environmental Management Systems (EMSs) held in Philadelphia. Steve presented the Agency's position on EMS and outlined our efforts at implementing EMSs for our Mid-Atlantic offices. Also on the agenda were presenters from Philadelphia Electrical Company and the consulting firm helping Pennsylvania Department of Transportation implement their EMS. Following the presentations, the panel fielded questions from the audience of approximately 50 people. **(Contact: Steve Donohue, 4-3215)**

EMS Training for OSM - On May 19, 2004, Steve Donohue provided introductory training on Environmental Management Systems (EMSs) to approximately 25 safety officers for the Department of the Interior's Office of Surface Mining. The training was conducted at the OSM annual safety meeting in Washington, DC. OSM is just getting started in developing their EMS Policy and has set an aggressive goal of implementing an EMS for their facilities by December 2004. OSM was very interested in how EPA Region 3 implemented our EMS and using the information on our website to help jump start their process. Jeff Burke of the Pollution Prevention Round Table also attended the training with Steve and together they fielded questions from the OSM representatives at the meeting. **(Contact: Steve Donohue, 4-3215)**

New Philadelphia Scrap and Automotive Recyclers' Compliance Tools – Under the Mid-Atlantic Environmental Federal Partners (MAEFP) agreement, the City of Philadelphia, EPA, Pennsylvania Department of Environmental Protection and a number of trade associations are cooperating in a Philadelphia Intergovernmental Scrap Yard Task Force to address various environmental concerns associated with scrap and automotive recycling sectors. The Business Assistance Center (BAC) coordinated the development of the “Pennsylvania Auto Salvage Yard Recycler’s Resource Directory” to assist this sector with the handling of materials they generate (e.g., batteries, mercury switches, waste oil, freon, etc.). EPA library staff assisted with researching the companies listed. The Directory was just published on the City’s Managing Director’s Office (MDO) website (<http://www.phila.gov/mdo/scrapmetal/pdfs/Directory.pdf>). The MDO is also planning a press event on June 9, 2004 to publicize the success of the task force in gaining compliance in this sector. The RA, MDO and PADEP are scheduled to speak. On June 10, 2004, a compliance workshop coordinated by the BAC is expected to attract 100 attendees in addition to many of the vendors that service this sector. This initiative will increase environmental awareness and, along with ongoing enforcement, will address many of the health, safety and environmental concerns associated with recycling operations in residential areas and/or sensitive environmental areas. **(Contact: David G. Byro, 4-5535)**

REGIONS 4 and 5 - Nothing to report at this time.

REGION 6 - Arkansas’ H2E and P2/EMS: ADEQ is beginning work with the Hospitals for Healthy Environment Program (H2E). They have an H2E workshop planned in September/October in partnership with the ADEQ hazardous waste folks, Arkansas Department of Health, Arkansas hospital association and other organizations. The ADEQ team will be briefing their senior management on the ADEQ EMS and are planning their core training for June 16-19. This training will teach the core team that will be implementing EMS and follow it up with an aspects/impacts analysis. **Joy Campbell, 214 665-8036**

Texas P2 and U.S./Mexico Border Program: TCEQ staff presented P2 at the May 11th Border Workshop in Laredo, TX to Transporters, Customs, and Importers. The workshop had 120 attendees with 50% Mexican participation, and provided simultaneous translation. TCEQ has contracted with University of Brownsville, TX to help with training medium and small business and industry for EMS/P2 training. They have also contracted to upgrade the www.fronterambiental.com website for U.S./Mexico border business. Laredo Border workshop with task forces, customs and a P2 component. Had Nuevo Laredo Dept. of Ecology and Victoria Environmental Department. The Border website was demonstrated. Now most of the common questions are answered through this website. They are working to get a contract for EMS and P2 training on the border. In addition, TCEQ is working on a P2 initiative for Marinas. To date, TCEQ has visited with 30 hospitals statewide to promote H2E. The North American Pollution Prevention Partnership (NAP3) is working on an E-waste (electronics) initiative on the P2 side promoting Green Engineering so that hazardous substances are not used or at least minimized in the engineering of electronics as well as taking into considerations the end life disposal issues related to electronic wastes. TCEQ is partnering with the Texas Manufacturing Extension Program (TMAC) to sponsor the Greening the Supply Chain in engineering for Green

Suppliers Network in auto & pharmaceuticals---June 21st Dallas, TX; June 22nd in Ft. Worth, one in Houston, one in Austin. **Joy Campbell, 214 665-8036**

Greening the Supply Chain ROHS Training – TCEQ is working with the Zero Waste Network and TMAC to put on a series of workshops that will help electronics suppliers comply with tough new European standards that will limit use of toxic chemicals in their parts.

June 21, Dallas; June 22 Fort Worth; June 23 Houston; June 24-25 Austin

Joy Campbell 214 665-8036

New Mexico P2: NMED, NMSU-WERC, the El Paso, TX TCEQ office and Region 6 Zero Waste Center partnered to present "P2 as a Business Tool" in Santa Teresa, NM. The NMSU-WERC/EPA sponsored Paso del Norte Roundtable got a wide audience representing a cross section of business and industry in the Paso del Norte area with 65-68 attendees from both the US and Mexico. Attending organizations included maquiladoras, local government and the office of homeland security. Next Paso del Norte P2 Roundtable meeting will be in Juarez in Aug 2004. The NMED Green Zia program received 8 applications for entry into the recognition program which included: Public Schools in Gallup; Cannon AFB, and Kirkland AFB. Mexican border businesses asked if they could participate in the Green Zia program for recognition. The Green Zia program is trying to align it with Performance Track (PT). NMED is also doing an EMS for their agency. NMED is partnering with the tribes in Alaska regarding their development of a community survey to determine their priorities. Are working to adopt the manual for their tribes. See www.7generations.org (it may be .com). Finally, NMED and partners are doing a couple of site visits to Native Americans including a lumber yard and a saw mill in Northern New Mexico.

Joy Campbell 214 665-8036

REGION 7 - KC Ozone "Rescue Plan" - Region 7 is working collaboratively with the Kansas Department of Health and Environment, the Kansas State University Pollution Prevention Institute and Mid-America Regional Council to develop a training program for metropolitan area officials and citizens that will reduce emissions and help the area achieve maintenance of the ozone standard and avoid nonattainment. We are reallocating some of our grant resources to fund this effort (Chet McLaughlin, 913-551-7666; Chris Hess, 913-551-7213).

EMS Conference - Region 7 cosponsored the first national conference on EMS implementation for agriculture producers and processors on May 25 - 26, 2004 at the Hilton Garden Hotel in Kansas City, KS. The conference was well attended with approximately 120 attendees and the message on the value of EMS to agriculture was well received (Ruben McCullers, 913-551-7455).

REGION 8 - Environmental Compliance and Pollution Prevention Training Provided to Department of Interior. The Pollution Prevention Team provided training on environmental compliance and pollution prevention to land management agencies at the National Department of Interior (DOI) Facilities and Asset Management Conference in Orlando, FL. As part of the Pollution Prevention Team's effort to provide pollution prevention assistance to public lands, training was provided to 30 land managers at their national Facility Managers Meeting. Pre-test scores of 43% and post-test scores of 74% represent a 31% increase in knowledge about these

subject areas. For the fifth year, the DOI conference paid the cost of travel to present this course, indicating the quality of services provided by Region 8 to the conference attendees. **Marie Zanowick, 303-312-6385**

P2-YOU Presentation. On May 12, 2004, Region 8 staff toured a construction site in Boulder, CO, for a presentation of a project to recycle building materials. In the first six months of the project, 100,000 pounds of building materials have been diverted from the landfill. The group also toured two Leadership in Energy and Environmental Design (LEED) buildings, the North Boulder Recreation Center and the Boulder Housing Partners. The tours included an overview of the LEEDs certification process and highlights of the environmental features of these buildings. P2-YOU is a presentation series with multiple sessions or classes organized or presented by Region 8's Pollution Prevention Team. These classes are designed to help employees reduce impacts on the environment in both their personal and professional lives. **Linda Walters, 303-312-6385**

REGION 9 - State Bill for Metal Plating Facilities: On April 7, 2004, on referral by DTSC, and at the request of CA State Assembly Speaker Fabian Nunez' staff, Leif Magnuson of the Pollution Prevention Team and Daniel Reich of OR escorted Speaker Nunez' staff members on a tour of a metal plating facility in Sacramento. Speaker Nunez is drafting a state bill that would provide a fund - paid for by platers and administered by DTSC to pay for compliance and P2 workshops, on-site assessments, equipment and cleanup costs at chrome platers. The idea for the bill came from requests by LA District Attorneys who have several pending cases against platers. The bill will likely be introduced on April 19. The Assembly Committee on Environmental Safety and Toxic Materials plans to hold a hearing on the bill on April 27. Fabian's staff indicated that they may request testimony by EPA on what compliance and pollution prevention technical assistance EPA has provided to platers in California, and what our results have been (letter to RA Wayne Nastri may be imminent). They are requesting this testimony because EPA's compliance and P2 assistance to platers in CA has been very significant over the past 8 years. Leaf and Dan have met with Region 9 Air, Water, Waste, ORC, Superfund and OCA staff and managers to apprise them of the bill and obtain their input on EPA's experiences providing assistance to platers.

Development Team for the Electronic Product Environmental Assessment Tool (PEAT): John Katz of the Pollution Prevention Team will be in Chicago for the next meeting of the Development Team for the Electronic Product Environmental Assessment Tool (PEAT). PEAT is a national effort to develop a set of standards for purchasers to select environmentally preferable electronic products. The meeting in Chicago will focus on the environmental attributes included in the program, and consider options for long-term management of the program. The Development Team is composed of representatives from the computer and electronics manufacturers, state and local purchasers, NOGS, and state and federal environmental agencies.

Region 9 Receives Champion for Change Award from Hospitals for a Healthy Environment: On behalf of Region 9, the Pollution Prevention Team accepted our Champion for Change Award from the Hospitals for a Healthy Environment (H2E) partnership at the 2004

Clean Med Conference in Philadelphia on April 13th. Region 9 received the award for developing a hospital pollution prevention toolkit with 4 fact sheets, used by hospitals nationwide. The Award also recognized Region 9 for providing grants and technical support to State and local partners and tracking the environmental results of the hospitals' mercury and waste reduction assessments. Region 9 and our partners have signed on 120 hospitals to the H2E Partnership, enlisting their commitment to work toward eliminating and reducing overall waste generation. As part of the Clean Med Conference, Eileen Sheehan also presented information to hospitals, group purchasing organizations (GPO's) and Regional/State/local programs on our hospital toolkit fact sheets on mercury reduction, alternative sterilants/disinfectants, solid waste reduction, blue wrap recycling and microfiber flat mop systems. **Jessica Counts: 415-972-3288**

EPEAT Moving Forward: John Katz attended the third meeting of the Development Team for the Electronic Product Environmental Assessment Tool (EPEAT) in Chicago. The Development Team is working to develop a system for evaluating electronic products to help large purchasers buy greener products, and spur manufacturers to implement green design. At the Chicago meeting, the group agreed to the basic structure of the tool; the application, review and validation process for products to be evaluated; and an initial scoring system. They also provided input to some of the attributes and criteria upon which the products will be judged. This will likely be the most complex and contentious part of the process. John is heading up the committee developing the attributes and criteria.

Environmental Safety and Toxic Materials: Leif Magnuson of the P2 Team, and Daniel Reich of ORC will provide testimony on Tuesday, May 11 to the California State Assembly Committee on Environmental Safety and Toxic Materials. The Committee is considering possible legislation to assist metal finishers - AB 2657. The bill is sponsored by Assembly Speaker Fabian Nunez. Several citizen groups in Los Angeles, such as ACORN and CBE, as well as Los Angeles District Attorney DelGadio have expressed concerns about metal platers, specifically their proximity to homes and chronic non-compliance. Dan and Leif will discuss the compliance and pollution prevention efforts by Region IX's MERIT partnership and pollution prevention team over the past 8 years: results and lessons learned. Dan and Leif worked with Air, Water, Waste, Superfund, and Public Affairs managers and staff to craft a consistent regional message.

EMS Workshop Series for Metal Platers in California: From 2000-2003, the EPA Region 9 Pollution Prevention Team conducted three, seven-part EMS workshop series for metal platers in California to help them build Environmental Management Systems at their companies. Twenty-six companies started the process. Of those who attended 2 or more workshops with us, 85% of the companies actually built an EMS as a result of our training; after 1 year 70% still had them in place and after 2 years 65% still had them in place. The companies collectively reduced their water use by 39,000,000 gallons/year (27% reduction), hazardous waste generation by 471,000 lbs./year, electricity usage by 4,500,000 kW-H/yr, and natural gas usage by 81,000 therms/year. Their costs to develop and maintain an EMS were \$5,400/facility and \$3,700/facility, respectively. Astonishingly, their average monetary savings are \$74,000/year per facility!

Border Environmental Cooperation Commission (BECC) Representative: On April 29

Shafir and Pimentel hosted Border Environmental Cooperation Commission (BECC) representative Temis Alvarez. He met with Waste, Water and Air Division staff to discuss potential US/Mx border projects. Topics included sustainability, cogeneration, composting, green building, tire re-use and recycling, alternative energy, and biosolids reuse.

Bay Area Pharmaceutical Disposal Policy: The Bay Area Pollution Prevention Group (BAPPG) met on May 20 to discuss adoption of a Bay-Area wide policy to reduce and eliminate household disposal of pharmaceuticals in the sewer system. In previous meetings, the BAPPG concluded that medications should never be disposed down household drains or toilets because wastewater treatment plants are not designed to remove pharmaceuticals. Wendi Shafir and Eileen Sheehan of the Pollution Prevention Team and Luisa Valiela of the Water Division will join the POTW and HHW staff in the discussion.

P2 Team Joins Dialogue on Alternatives Assessment: The Pollution Prevention Team presented information and participated in a May 24th meeting focused on *Alternatives Assessment*. Representatives from industry, non-governmental organizations, and government met to talk about the challenges and lessons learned from analyzing alternative chemicals/designs in a variety of products. Leif Magnuson of the P2 Team presented a case study on EPA's in-progress alternatives assessment on brominated flame retardants in foam and furniture products. Kaiser Permanente presented their experience on evaluating alternatives to particle board "casework" furniture. Two businesses, Herman Miller office furniture and Shaw carpets, described their experience with moving toward safer materials in their office chairs and carpeting respectively. Several of the businesses are relying on the McDonough-Braungart cradle-to-cradle assessment tool, which rates chemicals. Eileen Sheehan and John Katz, also of the P2 Team, participated in the discussions.

P2 Team Reaches Out To High School Students: Eileen Sheehan spoke about pollution prevention on May 26 to two classes of Oakland Tech High School's environmental science classes, including one Advanced Placement (AP) class. Students expressed an interest in sustainable product design and product take-back and stewardship approaches to environmental protection. Questions about environmental careers and summer internships were also raised.

P2 Team Tribal Clinic Pollution Prevention Assessments: Wendi Shafir conducted a Tribal Clinic Pollution Prevention Assessment at the Indian Health Council Rincon Clinic. Pollution Prevention opportunities included mercury reduction; cost effective infectious, hazardous and solid waste reduction opportunities; less toxic janitorial products, and encouraging membership in our P2 Healthcare partner- Hospitals for a Healthy Environment. We have completed a total of 7 Tribal Clinic P2 Assessments.

REGION 10 - 1. Reviewed and ranked 13 U.S. DOE proposals for the Million Solar Roofs program. Met at U.S. DOE Northwest Regional Office to select Million Solar Roofs proposals for funding in 2004.

2. Met with R10 Counsel, managers and inspectors to further discuss compliance assistance and

the role of the inspector issues. Counsel at the meeting took the stance that the policy doesn't apply directly to prevention tech. assist. Developed proposal for R10 Compliance Assistance resources. Finished CA proposal for 1 region 10 inspector to receive advanced P2 TAP training.

3. Washington State will continue to manage the P2 network grant. This is a large concession to the Region and was spurred by Jon Sandoval (Idaho) calling the Director of Washington Ecology to ask for it. In return Ecology will benefit disproportionately from the work of the Network.

4. Worked with local Navy environmental staff to follow up on bio-diesel for R10's vehicles. They offer that we could easily work out an MOU that would document the relationship. They also invite R10 to partner with them on a *100 kW current turbine* project that they'll be piloting this year. They'll site the facility next to the Manchester Laboratory.

5. Met with the PPRC to discuss the possibility of merging the R9 and R10 P2 roundtable events. Not possible in 2004, somewhat better possibility in 2005 and best chance in 2006. R9 process is more elaborate and thorough than our own. A merger would encourage scale-up and provide better value to attendees. In the meantime it was decided to secure a retreat location for February of 2005. Likely topics will be those that bind the west coast. Three governors agreements on climate change, targeted chemicals, pollution preventing new technologies and practical how to's for TAPs.

6. Attended Governor's and R10 RA's press conference announcing low sulfur and biodiesel products for Washington State Ferries. Excellent media coverage.

7. Briefed new OEA Division Director on the Region's P2 program.

8. Drafted a straw national "P2 vision" piece. The focusing mechanism recommended involves the use of four lenses that will sort present and future P2 projects. The lenses are:

- is the project consistent with three themes in the statute
- does the effort address a defined list of problems
- is the right (wholesale, liaison, retail, non-profit) entity delivering the work.
- Are proven project characteristics being employed (list defined)

Followed the call with a written request to workgroup members asking if we had selected the right themes, roles, problems and project characteristics.

9. Attended King Co. roll-out of 235 diesel electric hybrid busses. First major purchase of its kind in the world. Glitzy GM sponsored press conference featured Ron Sims, Patty Murray, a GM VP, global environmental affairs director and our old employee, Dave Kirscher (now with Puget Sound Clean Air Agency). A white, environmental fact flashing 61 foot articulated 58 passenger vehicle rolled in behind the podium (and inside a building - their emissions are that good) to the Who's top ten hit: *Magic Bus*.

10. Received and collated all 2004 P2 grant proposals. Received 17. All total, the requests are

for over 1 million dollars.

Carolyn Gangmark, 206-553-4072

Consolidated Monthly Reports for June 2004

REGION 1 - Nothing received at this time.

REGION 2 - Golf Course Initiative - Nitrogen Management Challenge: We have now signed up 21 out of 34 golf courses on the East End of Long Island to support our Nitrogen Management Challenge. This exceeds our goal of having 50% of the golf courses participate. We had planned to hold a press event with U.S. Golf Association (USGA) at Shinnecock Hills, where this year's U.S. Open is being played, but the USGA ran into scheduling conflicts. We are now planning to hold this press event later this summer, by which time we hope to have more golf courses on board. **Tristan Gillespie 212-637-3753**

Residential Lawns: On June 17, Acting Administrator for Water, Ben Grumbles, recognized New York City Parks & Recreation Commissioner Adrian Benepe for his agency's efforts to reduce its use of chemical fertilizers and pesticides. Our staff helped to organize this press conference and explained to the audience how these chemicals can impact the metropolitan area's waters. Commissioner Benepe discussed how Parks & Recreation is able to maintain its lawns using minimal synthetic products. The City's Department of Parks & Recreation manages nearly 29,000 acres of the City's open space. **Tristan Gillespie 212-637-3753**

Strategic Agriculture Initiative Program: Region 2 has posted a request for initial proposals for a project that will reduce the exposure to toxic pesticides through the adoption of farm pest management practices that transition away from the use of high-risk pesticides. The project will work towards achieving the adoption of reduced-risk alternatives and/or ecologically-based integrated pest management or biologically integrated farming approaches that are economical. One project will be awarded for \$118,000. The proposals are due July 27, 2004. **Audrey E. Moore 732-906-6809**

P2 Roundtable summer meeting: We participated in Northeast P2 Roundtable summer meeting in Meredith, NH. The meeting included a workshop on improving website usability and marketing, a discussion of P2 measurement, as well as an opportunity to share program updates and news, discuss improving program priority setting, and make plans for upcoming P2 Roundtable activities. The conference involved pollution prevention as well as other compliance and environmental assistance professionals in state and local agencies. **Tristan Gillespie 212-637-3753**

REGION 3 - Nothing received at this time.

REGION 4 - P2 Team meets with Regional Administrator May 24, 2004: The regional P2 Team spend an hour with the RA to brief him on team accomplishments and get his vision on how

he wants P2 to run in the region. The RA feels that “P2 is not something you do but something you are” **Contact Dan Ahern 404-562-9028**

Waste Reduction Resource Center Web Figures Continue To Increase: Visit figures for the Jan-Mar 04 Period show major increase over similar period last year. P2 Infohouse

287,465 (81% increase from Jan-Mar 03)

WRRC 35,213 (34% increase from Jan-Mar 03)

Contact John Calcagni 919-715-6534

EPA Science Forum and Manganese Report: Dan Ahern presented “Manganese and Wood-fired Boilers” on June 2, 2004. The presentation was part of a session on the Regional Research Partnership Program under which this work on Manganese was performed. There were three tracks at this Forum; Science and Innovation to Protect Health and Environment; Using Science to Make a Difference; and Delivering Science-Based Information to Decision Makers. Next meeting will be in Washington in May 2005. **Contact Dan Ahern 404 562-9028**

Regional P2 Roundtable June 24, 2004: Meeting was held as part of the Region 4 DOD/EPA Conference. As a result there were a number of DOD personnel attending this meeting besides 7 of the 8 State P2 programs. About 30 personnel attended at times during meeting. The meeting had a briefings on 1. Regional Strategic Plan and its relationship with Performance Partnership Grant Initiative; 2. Clean and Green Indexes; 3. Briefings from the Water and Air P2 team representatives; 4. Coordination with Compliance Assistance; 5. Discussion on FY06 Grant Priorities and 6. Estimating P2 reductions from programs. Russell Wright the Assistant Regional Administrator welcomed the P2 Coordinators and discussed his vision of P2 in the Region’s Performance Partnership Grant Initiative. **Contact Dan Ahern 404 562-9028**

Regional State P2/DOD Partnerships <http://wrrc.p2pays.org/DoDPartnership/>: Attended the Region 4 EPA/DOD State Environmental Conference, “*Missions - Communities - Environment - Working Together to Sustain Readiness and Well-Being*,” in Atlanta on June 22-24, 2004. Presentations will be posted at <http://aec.army.mil/usaec/reo/region4/index.html>. This conference had a strong Sustainability focus in the Plenary Sessions with presentations by Alan AtKisson and Brian Natrass on Sustainability. Dr. Natrass, author of “Dancing with the Tiger” stressed that Homeland Security and Sustainability are interchangeable and that DOD can not provide for the security of the country without going down the path of sustainability. Worked as co-moderator for a P2/Sustainability track during the conference. The P2 focus this year was on deconstruction. This year attendance was down due to DOD budget directives and only there was only 250 pre-registrants. **Contact Dan Ahern 404 562-9028**

REGION 5

EMS Training for Aerospace Suppliers - US EPA funded a one-day Environmental Management System (EMS) training workshop for suppliers of Hamilton Sunstrand, a high-tech aerospace manufacturer in Rockford, Illinois on June 8. Representatives from 16 companies attended the training that was delivered by Tetra Tech. Hamilton Sunstrand has challenged its suppliers to meet aggressive pollution prevention goals and to develop EMSs in order to achieve

"preferred supplier" status. Hamilton Sunstrand is offering its suppliers free training in order to develop EMSs as a means to achieve those P2 goals.

This "Corporate Sponsorship" approach to greening supply chains through EMS training was pioneered in Region 1. The goal of this effort is to encourage large original equipment manufacturers to offset expensive EMS training and development costs for smaller businesses by offering training to their supply chain. Region 1 funded the EMS training in Rockford to demonstrate the effectiveness of their approach.

At the June 8 kickoff training, Hamilton Sunstrand offered to provide its suppliers with follow up monthly training sessions, each focused on a different aspect of an EMS. Six suppliers committed to attend the followup trainings in order to develop EMSs for their own facilities. Hamilton Sunstrand is a subsidiary of United Technologies Corporation. Following the successful kickoff training session, two other UTC subsidiaries in the Chicago region committed to funding and hosting similar kick off meetings later this fall. In early 2005, the three companies plan to host the first joint EMS training series for their suppliers.

This approach builds on an EPA model that funded the majority of EMS training costs for small businesses through the National Metal Finishing Strategic Goals Program.

(Krista Durlas 312/886-3894)

MDEQ Receives Recognition for MI/DOD P2 Partnership - Representatives from Region 5, Michigan Dept. of Environmental Quality, Battle Creek Air Guard, Selfridge Air Guard, Selfridge Army National Guard, Detroit Arsenal, Alpena Air Guard Training Center, Army Reserves, Defense Logistics Agency and the Army Environmental Center met in Lansing, MI for the Partnership's quarterly meeting. Dr. James Hartman presented Director Steven Chester with a plaque of appreciation from the U.S. Army Environmental Center for DEQ's leadership in the Partnership. The Federal Facility Environmental Workshop held in March was considered such a success that we will sponsor another workshop next year. Participants agreed to change the title of the partnership to an Environmental Partnership to reflect the fact that we deal with sustainability and compliance issues that are wider than P2. **(Phil Kaplan 312/353-4669)**

Presentation at Illinois Recycling Association Conference - Region 5 staff gave a presentation at the annual IRA Conference in Bloomingdale, Illinois on June 8. Topics covered included electronics (known as e-waste) legislation at the national and state levels, and ongoing multistakeholder efforts such as the National Electronics Product Stewardship Initiative (NEPSI) to develop a national system to collect, reuse, recycle unwanted electronics. Currently, four states have landfill bans on Cathode Ray Tubes from televisions and computer monitors. Another speaker from the Illinois EPA explained the recent e-waste bill in the Illinois legislature that proposes an advance fee on the sale of Cathode Ray Tubes and a landfill ban. Approximately 40 people attended the session including local and state government officials, recyclers, and reuse organizations. The Region continues to work with states as they develop local and statewide infrastructure for electronics recycling.

(Lucy Stanfield 312/886-1121)

Design:Green Attracts Eco-Aware Product Designers - Region 5 staff attended the Design: Green workshop, taught by leading experts in green product development and design, on June 17 in Chicago. The Design: Green program consists of a curriculum, an online resource directory, and networking events for workshop participants and other professionals interested in learning about green design. Participants learned how to make the business case for green products by using the Business-Ecodesign Tools. This toolkit includes eco-indicators that comprehensively calculate ecological impacts of products and services. Approximately 75 industrial designers, government officials, students, and educators attended the workshop, including staff from EPA's Design for the Environment Program and the Ohio EPA Office of Pollution Prevention. Endorsed by the Industrial Designers Society of America and the o2 global network of green designers, this was the third workshop underwritten by an EPA OSWER Innovations grant. Details are posted at www.designgreen.org. These workshops advance EPA's voluntary initiatives to promote product stewardship and foster measurement of the environmental impacts throughout the product lifecycle. **(Lucy Stanfield, 312-886-1121)**

REGION 6 - Review of Pollution Prevention Grants for the States, P2Rx and Source Reduction, and Pollution Prevention for the U.S./Mexico border: Participated in various grant teams to review, score and select proposals for funding for FY 2004. Also participated in various conference calls to negotiate work plans so as to ensure goals in the EPA National Strategic plans were addressed. **Joy Campbell, 214 665-8036**

Compliance Assistance (CA)/Pollution Prevention (P2) Collaboration Initiative: Coordinated with the P2 Coordinator's for input as to which initiatives would be their top 5 for a successful and beneficial collaboration project with CA. Together with the CA Coordinator in Region 4, we united the top 5 priorities from our respective groups and presented a united chart with the top 5 priorities. We have now selected the top priority and have presented 2 sector options to both the P2 and CA Coordinators for selection of our collaborative project. Next steps will be to select the sector and begin a draft time line and implementation schedule to bring the selected project to fruition. **Joy Campbell, Region 6 (214) 665-8036 and Stacey Bouma, Region 4 Compliance Assistance Coordinator.**

P2 Vision Committee, EMS Committee and Innovation Committee: Presented comments and input for incorporation into a National P2 Vision. Provided implementation options to the Region 6 EMS Committee to assist in reaching Region 6 EMS goals. Presented a briefing to the Innovation Committee on a current P2 Project. **Joy Campbell, Region 6 (214) 665-8036**

Region 6 Pollution Prevention Roundtable: Upcoming events being planned are a Roundtable meeting and conference in El Paso, Tx to be hosted jointly by Texas and New Mexico in conjunction with a U.S./Mexico Environmental Health Conference. All states are planning to attend and participate as well as local universities and our P2Rx center. In addition, we are coordinating with local municipal pretreatment centers, our Regional Pretreatment Coordinator and local MEPs to assist Arkansas in hosting a large Roundtable conference for P2 in Pretreatment to be held in 2005. **Joy Campbell, 214 665-8036**

REGION 7 - KC OZONE - Region 7 continues to work with the Mid-America Regional Council, the Kansas Department of Health and Environment and the Pollution Prevention Institute at Kansas State University to roll out training strategies for targeted industries in Kansas City that can potentially reduce emissions and help the metropolitan area with maintenance of the revised and more stringent ozone standard (Christopher Hess, 913-551-7213, Chet McLaughlin, 913-551-7666).

REGIONAL EMS DEVELOPMENT – The regional EMS will contain a total of 15 implementing procedures focusing on the requirements of the ISO 14001 standard. A total of 13 procedures (SOPs) have been signed and completed. These are now ready for posting on the regional EMS intranet site. The remaining two SOPs are still in progress, but should be finished around the end of July. The signed SOPs are being distributed to the “process owners” who will be in charge of long-term implementation of the SOPs. (Wes Bartley, 913-551-7632)

REGION 8 - P2-YOU Presentation: On June 7, 2004, Carl Heskett conducted a P2-You course on Eco-Fishing to EPA employees. He presented methods and approaches to fishing that will result in the least environmental impact. **Carl Heskett, 303-312-6492**

REGION 9 - During the week of June 1, Wendi Shafir conducted a Tribal Clinic Pollution Prevention Assessments at the Indian Health Council Rincon Clinic. Pollution Prevention opportunities included mercury reduction; cost effective infectious, hazardous and solid waste reduction opportunities; less toxic janitorial products, and encouraging membership in our P2 Healthcare partner - Hospitals for a Healthy Environment.

On June 7, Jessica Counts attended a community forum hosted by The Breast Cancer Fund (TBCF) called the "The Campaign for Safe Cosmetics". The forum consisted of three panelist from environmental organizations and a all-natural skin care company. The mission of the campaign is to protect the health of consumers and workers by requiring the health and beauty industry to phase out the use of chemicals that are known or suspected to cause cancer, genetic mutation or reproductive harm. TBCF is looking for other organizations to join them in the effort for better FDA regulations in cosmetic and personal care products.

The Pollution Prevention Team has made it's selections for the Source Reduction and Pollution Prevention Grants programs. The Source Reduction grant program is open to state and local governments, non-profits, and universities. We were able to fund two grants this year:

Thimmakka Inc, (\$50,000) to expand their successful "Greening Ethnic Restaurants" project in the Bay Area and Los Angeles. Based on past performance, the estimated project impact for 175 restaurants served in the project is: 11,404.47 tons of solid waste diverted from landfills into recycling and composting, 45.6 million gallons of water saved, 3.7 million Kwh of energy saved, 2.4 million lbs. of CO2 prevented from being released into the atmosphere, while saving \$7,213,278.41 for the restaurants over 5 years.

City and County of San Francisco Health Care Work Group (\$30,000): to convene a peer-to-peer mentoring and working group among the city's 30 hospitals and clinics to help spur implementation of pollution prevention best practices. The City will help convene the group, identify priorities, bring technical resources, and sponsor workshops. They also will provide limited on-site technical assistance to hospitals with specific issues.

The Pollution Prevention Grants are reserved for state agencies, including state agencies, universities, and certain special districts. The following grants best met the Region's criteria for priority, environmental results, partnerships, and sustainability:

New Grants:

1. CA Dept. of Health Services - Evaluation of Use, Toxicity, and Alternatives to New and Emerging Industrial Solvents (\$88,942)

To identify health hazards, uses, and cost-effective, safe alternatives for five new and emerging industrial solvents, and to help businesses convert to safe alternatives to protect workers and community residents from chronic diseases.

2. South Coast Air Quality Management District: Alternatives to VOC Emitting Lubricants and Rust Inhibitors (\$79,986)

To characterize the inventory of emissions from lubricants and rust inhibitors, which account for up to 15 tons per day of VOCs in the South Coast District alone. The project will identify, test and demonstrate alternative non-emitting products. The information generated during the project may be used as a basis for a regulation in the South Coast Basin.

3. Arizona Dept. of Environmental Quality: Green Schools Program (\$60,000)

Develop statewide guidelines for High Performance Schools and implement a High Performance Schools Technical Assistance Campaign and assist with individual school project implementation.

4. Commonwealth of Northern Marianas Islands - Green Garments Partnership (\$50,340)

To conduct audits of garment manufacturing facilities to discover opportunities for source reduction and pollution prevention. To develop appropriate standards to be included in the SGMA Code of Conduct.

Continuing Grants:

1. Univ of NV - Reno, Small Business Development Center- Business Environmental Program (\$103,000): 2nd year of three year grant to provide multi-media pollution prevention and compliance assistance to NV businesses.

2. Univ of NV - Reno, Small Business Development Center - Western Regional Pollution Prevention Network (\$92,280): 2nd year of 3 year grant to support expansion of the Western Regional P2 Network. This will fund the annual conference, and expanded outreach to both the border area (Mexico and U.S.) and to Tribal governments.

John Katz is reviewing the final report of the University of Hawaii Pollution Prevention SEP. The \$1.2 Million agreement was the largest P2 SEP ever approved in the Region. Under the SEP, the University conducted a comprehensive pollution prevention opportunity assessment, and elected to conduct 7 pollution prevention projects. These included projects to reduce hazardous chemical

use in genetic experiments, conversion of several underclass chemistry classes to microscale chemistry, converting the University print shop and the Zoology department to digital imaging, collecting and replacing mercury-containing equipment, and implementing the LaserTouch/STAR program in the auto body curriculum. Preliminary results indicate an annual reduction of at least 13,000 pounds of hazardous waste. Other benefits include significant reductions in purchasing and handling of hazardous chemicals, reduced exposures to staff and students, and reduction of chemical releases to the sewer (especially in the chemistry laboratories). **Contact: John Katz, 415-972-3283**

REGION 10 - Convened WDOE, Navy and Energy staff to discuss a pilot that would test a 100 kW UEK current turbine at the Manchester Fuel Depot (adjacent to EPA's laboratory). One of the most promising recommendations for funding was for the Navy to seek Conservation and Renewables rebate from BPA. A list of secondary recommendations will move the project forward. EPA R10 offered diving expertise and biological assessment.

Reviewed, selected and awarded 2004 Pollution Prevention and several 2% Set-Aside grants.

- Four State P2 Programs (Biodiesel solutions are well represented)
- 1. Medical Industries Roundtable for Idaho
- School Chemical Safety(Oregon)
- Federal Inspector P2 Training for Tribal Lands
- Regional Roundtable
- SNAP Replication (currently nominated for international recognition)

Leveraged P2 investments (Other Peoples Money) include:

- Renewable energy for environmental pump and treat operations
- 2004 Purchase of Green Tags for R10 - (Will receive Presidential Award in DC for same on July 15, 2004).
- EMS for Municipalities effort

Work with HQ on national P2 vision.

Mailout of 116 Post Inspection letters recommending P2 actions.

Working with Canadian P2 officials to include the Pacific Northwest states in the Canadian P2 Roundtable which will be held in Victoria BC on May 5, 2005.

Consolidated Monthly Reports for July 2004

REGION 1 - Greening the Convention: The Coalition for Environmentally Responsible Conventions (CERC) helped reduce the environmental impact of the DNC during the week of July 25 by organizing a number of projects including food management and composting, CO2 emission offsetting, fuel-cell buses, fuel-cell electricity generation, anti-idling campaigns for tour buses, and reuse and recycling programs. By offsetting 27,000 tons of CO2 with certified greenhouse gas credits, the convention was billed as a climate neutral event. CERC's events included a Green Building Tour, Harbor Cruise to a Wind Turbine, and a "Walk Boston" event

that encouraged delegates to walk to the convention. CERC is also working with the RNC to “green” the convention in New York City. More information and a listing of news coverage can be found at www.cerc04.org. **Cynthia Greene 617-918-1813 and Rob Guillemain 617-918-1814.**

Storm Water / Construction: On a July 21 call with OECA's Compliance Assistance Work Group for the Construction industry, Abby Swaine offered comments on the group's storm water checklist, and learned that her suggestions for the Storm Water Pollution Prevention Plans (SWPPP) website will be adopted. **Abby Swaine 617-918-1841**

Lean Manufacturing Training: On June 29 and 30, a number of Region 1 employees including Rob Guillimen and Linda Darveau attended a two day Lean Manufacturing Training course sponsored by HQ and conducted by ConnSTEP. Attendees learned how to "lean" a manufacturing process and discussed applications of lean tools for EPA New England work. The workshop also explored the connection between lean and “clean” (i.e., P2). **Linda Darveau 617-918-1718**

REGION 2 - Recycling Marine Engines: Rutgers University Center for Materials Research completed their study on recyclable content of older marine engines, which was funded by a 2003 P2 grant. The draft report indicates an unexpected high content of recyclable materials in these engines (aluminum, copper and stainless steel) and anticipates that up to 70% of the motors by weight can be recovered from these materials. The scrap value of these materials will be determined by a site visit to an engine scrapper in Northern New Jersey. We proposed to the National Association of Marine Manufacturers (NMMA) and the Marine Trades Organization of New Jersey (MTANJ) that a rebate be offered on newer clean engines with the turn-in of older engines based on the value of the recycled content. The MTANJ board has approved working with EPA on the rebate program and we are awaiting a response from the NMMA. **Edward Linky 212-637-3764**

P2 Meeting with New Jersey: We hosted a meeting at our Edison offices on July 28 with the New Jersey Department of Environmental Protection (NJDEP), Northeast Waste Management Officials' Association (NEWMOA) and our regional P2 Council. We organized this meeting as an outreach to NJDEP to find opportunities for collaboration among our P2 programs and to establish communication channels for closer future coordination. The NJDEP indicated that they would be interested in participating regularly in our P2 Council meetings, sharing environmental data to help formulate P2 priorities, and coordinating P2 inspections between our research division and NJDEP. **Stan Siegel 212-637-3701**

Nitrogen Challenge (Golf Courses): We made personal visits to the 12 golf courses that have not yet signed up for the Nitrogen Management Challenge, which is a voluntary agreement with golf courses to reduce their nitrogen applications. We are cautiously optimistic that these visits will result in 100% participation among the 34 courses on East End of Long Island. We hope to have a press event celebrating this effort in mid-August. **Tristan Gillespie 212-637-3753**

REGION 3 - Region 3 Will Receive EMS Awards - On August 2, 2004, at the start of the annual Safety, Health and Environmental Management Conference being held in Philadelphia, both the Region 3 Office and the Environmental Science Center (ESC) in Fort Meade will be presented with plaques in recognition of their completion of the Agency's Environmental Management Systems (EMS) self-declaration process. The awards will recognize our facilities for achieving implementation of EMSs, as the Agency moves towards the goals established under Executive Order 13148. Region 3 was the first Regional office to complete this milestone. The ESC is the first EPA facility to have its EMS certified by a third party auditor/registrar as compliant with ISO 14001, the international standard on EMS. **(Steve Donohue, 215-814-3215)**

West Virginia acts to reduce use of mercury and dioxin - WVDEP just signed on as a partner to the Healthy Hospitals for the Environment (H2E) initiative. The goal is to reduce use of mercury and dioxin in medical settings. Partners will be recruited from hospitals, laboratories, all medical and public health agencies. For more info, visit www.h2e-online.org. **(Marie Holman, 215-814-5463)**

REGION 4 - Atlanta Federal Executive Board (FEB) Activities www.atlanta.feb.gov: A key FY 04 measure in the Regional Strategic Plan is conserving 1 Billion BTUs. It is now reported that the activities of the Sam Nunn Atlanta Federal Center Energy Star workgroup (EPA, DOE, GSA and building contractor) has conserved about 42 Billion BTUs since the start of the initiative. An additional 21 Billion BTU use reduction is still needed to approach Energy Star status.

A draft report on the energy savings indicates that installing cubicle occupancy sensors on the 15th floor will save a billion BTU's (source) per year. This for a cost of about \$9,000 for a payback of about a year. This is significant in that installing these on all floors in the tower could bring the AFC close to EnergyStar rating. **Contact Danny Orlando 404 562-9087**

P2 Grant Reduction Estimates: All workplans for FY05 have been approved and the estimated reductions from the 8 State Grants have been tabulated by the WRRC. Totals are 18.9 B BTUs; 32 M pounds; and 366 M gallons. There are some challenges in estimating reductions in one year grants, especially when the reductions come in outlying years. We are now asking for 5 year estimates when there is no reduction in the first year. This allows calculation of an average annual reduction. **Contact Dan Ahern 404 562-9028**

REGION 5 - P2 Grant to MnTAP Demonstrates P2 at Healthcare Facilities Using H2E Products - Working under a 2002 P2 Demonstration grant from U.S. EPA Region 5, MnTAP used Hospitals for a Healthy Environment (H2E) tools to demonstrate the effectiveness of pollution prevention at health care facilities. As a result of MnTAP's work through this project, at least 34 Minnesota healthcare facilities (22 percent of Minnesota hospitals) are engaged in documented pollution prevention efforts at some level. Thirteen facilities have signed on as H2E "Partners" and 29 have either eliminated 75 percent of their mercury or are working toward that goal. These facilities have eliminated 394 pounds of mercury, 851 gallons of hazardous chemicals, and 250,000 pounds of solid waste. They saved \$152,600. This number does not fully reflect

savings due to decreased spill clean up costs, hazardous waste disposal, decreased liability, or compliance costs. A number of outreach efforts and communication techniques were used to reach the healthcare audiences. Working through the University of Minnesota's Academic Health Center and the healthcare trade associations proved most effective. H2E provides useful tools and good publicity to encourage pollution prevention in the health care sector. MnTAP worked with H2E to develop some of its products, including the Chemical and Solid Waste Minimization Plans. The full report to Region 5 on this project will be available on the MnTAP Web site www.mntap.umn.edu . (Donna Twickler 312-886-6184)

H2E Presentation - On June 22, Region 5 staff presented information on Hospitals for a Healthy Environment (H2E) Program at the Practical Pollution Prevention In Healthcare Workshop in Traverse City. The conference audience consisted of representatives from a number of Michigan hospitals, Michigan Department of Environmental Quality, and the Michigan Health and Hospital Association. The conference was funded through a USEPA Pollution Prevention grant. The grant also supported training staff from the Retired Engineer Technical Assistance Program (RETAP) to perform waste reduction audits at hospitals throughout the state. Information from the resulting audit case studies was also presented at the conference. Michigan has been a leader in the national H2E program. In 2004, 3 out of 4 recipients of the highest level H2E Award for Environmental Leadership were presented to Michigan hospitals. In addition, Michigan has approximately 50 H2E Partners (out of 700 nationwide). We have shared the Michigan model with Wisconsin and Illinois to assist them in developing their state programs that focus on hospital waste reduction and promoting the H2E Program.

(Donna Twickler 312-886-6184)

Tribal Construction and Demolition (C&D) Debris Management Training - Region 5 EPA and the Tribal Association of Solid Waste and Emergency Response (TASWER) sponsored a Tribal Construction and Demolition Debris Management Training - "The ABCs of C&D Debris." The training was hosted by the Bois Forte Band of Chippewa in Tower, Minnesota on June 15-17, 2004. There were 43 participants, mostly representing tribal solid waste, construction, housing, planning, environmental, and other staff. The training provided an overview of C&D debris management, following the waste management hierarchy of prevention before recycling before disposal. The course included information and hands-on exercises covering compliance with applicable regulations and best management practices. The waste reduction session covered methods for green building design and construction practices; and a group exercise had participants brainstorm on writing specifications for best management practices for a typical construction jobsite to reduce waste and improve efficiency. Tribal specific issues, experiences, and case studies were featured throughout the course. The course also included a site visit to the Bois Forte Reservation's C&D landfill. The training course received very positive evaluations; TASWER plans to repeat this course in other Regions in the future.

(Dolly Tong 312/886-1019)

Electronics Recycling Statewide Dialogues - Region 5 continues to participate in two statewide dialogues in Michigan and Indiana to develop statewide recycling infrastructures for recycling electronic waste. Also participating in these multi-stakeholder efforts are state and local

governments, recyclers, reuse organizations, manufacturers, non-profits, and trade associations. The Michigan Electronic Waste Stakeholder Workgroup met in May to discuss existing information and proposed changes in four areas: Education, Funding, Logistics and Regulations. The Michigan Workgroup is pursuing a hybrid funding model as well as regional consolidation points and will present formal recommendations to the Director of the Michigan Department of Environmental Quality in July. Convened by the Indiana Recycling Coalition, the Indiana E-scrap Action Program also met in May. The Indiana workgroup is gathering information on regulations, educational resources, landfill bans to include in a toolkit with case studies and models. The IRC also plans four educational seminars throughout the state, to train communities and private sector leaders to implement the solutions in the toolkit. Both groups are also targeting public sector purchasing of greener electronics, and the IRC has planned a Green Electronics Procurement Workshop for August 17 in Indianapolis. **(Lucy Stanfield 312-886-1121)**

Measuring Progress of Electronics Recycling Events in Region 5 - Following a February 2004 meeting on Electronics, a workgroup of local and state agencies from EPA Region 5 is working to identify a common data standard for electronics recycling collection events throughout the region. The workgroup has held four conference calls with the latest on July 15, 2004. This data will be useful to local, regional, and state governments to track the amount of end-of-life consumer electronics collected and recycled in the Midwest. This workgroup is developing an online data template to coordinate and track this information. The data categories will also coordinate with a national database of under development by EPA's Plug-In to eCycling program. **(Lucy Stanfield, 312-886-1121)**

REGION 7 - Pollution Prevention Grants - We have successfully negotiated with all four states to include environmental performance measures in grants awarded under the Pollution Prevention Incentives for States. We will next develop special condition language to be included in each awarded grant to ensure reporting of environmental performance measures (Chet McLaughlin, 913-551-7666 and Christopher Hess, 913-551-7213).

Benchmarking - Now that we have one full year of energy usage data for the Science and Technology Center (STC), we have benchmarked the facility in EPA's "Portfolio Manager." Although laboratories are not an eligible space type to apply for the EnergyStar label, we receive credit for another benchmarked facility and have now been officially noted as the most energy efficient new laboratory using variable air volume fume hoods (Christopher Hess, 913-551-7213).

REGION 8 - Pollution Prevention Assessment: An Environmental Consultant from the Mid-America Manufacturing Technology Center (MAMTC), Casper, WY, conducted a pollution prevention assessment of Elk Mountain Herbs in Laramie, WY, on July 13, 2004. MAMTC receives funds through the WY Department of Environmental Quality's pollution prevention grant to conduct small business on-site assessments. The assessment included an overview of the Herbalist's process from collection of the herb to the final product as a tincture or capsule, the generation of wastes during this process, waste disposal, recycling practices, and energy and environmental concerns. These on-site assessments by MAMTC have shown measurable returns in pollution prevented, as well as documented cost savings for the small business owner. The

Pollution Prevention Coordinator accompanied the Environmental Consultant on this assessment as an observer. **Linda Walters, 303-312-6385**

Public Lands Initiative - Pollution Prevention Assessments: The EPA Region 8 Pollution Prevention Roundtable identified “public lands” as a regional priority for FY 2004 at the September 2003 Roundtable. Public Lands is a broad sector including many different operations and agency stakeholders (local, state and federal). During this year, state programs agreed to identify and evaluate P2 opportunities on public lands in their state and join regional discussions concerning projects partnering with public land agencies. To support this effort, WY Department of Environmental Quality, ND Department of Health and MT State University arranged Pollution Prevention Assessments at public land sites in their states. This effort identifies the pollution prevention options used by the facility and recommends additional P2 options. Information from these assessments will be used as case studies in the Public Lands Toolkit being developed by the Roundtable. **Marie Zanowick, 303-312-6403**

Yellowstone National Park is developing an Environmental Management Plan based on sustainability. The EPA Region 8 P2 Team, WY Department of Environmental Quality and MT State University are providing technical assistance to Yellowstone National Park (YNP) as they develop an EMS based on sustainability principles. The implementation team conducted over 50 interviews of park employees and used this information to help the YNP EMS team develop an environmental policy. The EMS team selected solid waste diversion as their first environmental aspect and have set a goal of 100% diversion from the landfill. **Marie Zanowick, 303-312-6403**

REGION 9 - Nothing received at this time.

REGION 10 - Worked with Navy representatives to find Clean Diesel resources for B20 fueling station at Manchester fueling depot. As a first step, contacted NOAA and Coast Guard looking for Puget Sound biodiesel needs per month. R10 uses between 100 and 150 gallons at the lab. West Coast Clean Diesel Collaborative is likely source.

Met with Regional Compliance Assistance representatives. Hospitals seem like a sector for OECA/OPPTS collaboration. Met with Karin Leff of OECA who encouraged R10 to keep pressing to incorporate P2 into the inspection process. She offered that two OECA priority sectors were of particular interest to her: the mining and mineral extraction sector and tribal CA. I told her about our plans to train four inspectors and she was encouraging of the concept. She wanted to see national Tribal P2/CA experts come from the exercise.

Worked problems surrounding the sending of 4 R10 EPA inspectors to an in depth P2 training at the Toxics Use Reduction Institute in Massachusetts. The idea is to train a cadre of Tribal P2/CA experts who will become a national resource for the OECA Tribal CA priority and the OSWER Tribal Integrated Waste Management Strategy. Training is scheduled for the first two weeks of December.

Held Regional Roundtable call. All states are active including the Environmental Agency in Oregon, even though they didn't receive 2004 funding. Group concurs that the 05 Regional Roundtable should be held in conjunction with the National Canadian P2 Roundtable which is scheduled to take place on June 1 and 2, 2005 in Victoria BC. Will involve the Region in planning efforts. An interim meeting will be held in November 2004.

Mailed out new business case P2 brochure to the Region's inspectors. Good response. many inspectors asking for additional copies.

Received Presidential Award for green tag purchasing (first large commercial in the county), solar work, and federal conservation. Ceremony at the State Dept. on July 15, 2004.

Contact: Carolyn Gangmark (206) 553-4074 or Bob Drake (206) 553-4803