

**January 2006 P2 Conference Call**  
**19 January 2006**

**1. Federal Electronics Challenge (FEC) – Jeff Eagan 202 586-4598**

[jeff.eagan@eh.doe.gov](mailto:jeff.eagan@eh.doe.gov)

Jeff relayed several FEC items of interest; please contact him for additional or clarifying information on the following points or the FEC in general:

- Bonneville Power Administration, Lawrence Livermore National Laboratory, and the Pacific Northwest National Laboratory were recognized in the Fall 2005 issue of *Closing the Circle News* which was dedicated to the FEC. The publication included photos of Bonneville Power Administration receiving a gold award and Lawrence Livermore a bronze award from Ed Pinero, the Federal Environmental Executive, at the November 15, 2004 FEC award ceremony at the White House. It also featured a full page article on PNNL's three-pronged approach to end-of-life electronics and an article on how DOE integrated the FEC into the strategies for achieving the new P2 and Sustainable Environmental Stewardship goals. Closing the Circle News is available at <http://www.ofee.gov/eo/closing2.htm>
- The deadline for this year's FEC Award program can be extended to 17 February – send an e-mail to the FEC to request the extension. Many sites' existing programs might already be eligible for a Bronze Award – especially in the Operations and Maintenance Division.
- The second annual FEC national conference is February 7 and 8 from 9 AM-5 PM Feb. 7-8 in Washington DC at the General Services Administration (GSA) Auditorium, 1800 F Street NW. The conference is free of charge and features cutting edge presentations and discussions on the latest developments in green electronic procurement, operations and maintenance, and end-of-lifecycle reuse and recycling. Contact Jeff for registration information.
- Donating surplus electronic equipment to New Orleans and the Gulf area is easy – GSA and FEMA will arrange for shipment and pay transportation costs and the Department of Education selects appropriate sites and coordinates the donations. HQ is ready to ship 100 surplus computers and work stations and assorted furniture.
- The recycling operation more commonly known as the Oak Ridge National Recycling Center is still operating but is now doing so “outside” the Oak Ridge fenceline. The Center is very supportive of the FEC so DOE sites that have been working with the Center should consider joining the FEC.
- Kansas City Plant, Pacific Northwest National Laboratory, Argonne National Laboratory, Fermi National Accelerator Laboratory, Brookhaven National Laboratory, and Headquarters are the entrants to date in the Electronics Reuse and Recycling Challenge.

**2. Environmental Summit/P2 Workshop – Josh Silverman 202 586-6535**

[josh.silverman@eh.doe.gov](mailto:josh.silverman@eh.doe.gov)

- Topics planned for the P2 Workshop include the new P2 and Sustainable Environmental Stewardship goals and their performance measures, reporting on the new P2 goals, strategies for dealing with unneeded chemicals and materials, and the P2

awards ceremony. Volunteers Tom McGeachen and Sandra Cannon are checking out the possibility of a field trip to a Federal LEED-certified building in DC.

**3. P2 Data Call and Data Entry** – Don Lentzen 202 586-7428

[Donald.Lentzen@eh.doe.gov](mailto:Donald.Lentzen@eh.doe.gov)

- Don is looking for volunteers to pilot test the 2006 P2 data entry database.
- The OFEE Environmental Summit is scheduled to have a panel discussion on possible future reporting requirements associated with EO 13101 and bio-based reporting.

**4. You've Got Recyclable Mail** – Pat Gallagher, Los Alamos National Laboratory

Although white paper is treated as secure at the Lab, fiber content materials (binders, books, journals, etc) are recycled through the MSA 1000 program. Lab personnel simply package the materials, address the package as MSA 1000, and leave it in their mail rooms. When the mail workers drop off mail, they pick up the MSA 1000 packages and take them to the central mail room where they are then gathered on a weekly basis by the recycling crew. Pat estimates that the MSA 1000 program results in recycling 300 metric tons annually.

**March 2006 P2 Conference Call**  
**16 March 2006**

**1. Aqueous Brake Washing** – Hank Hauptman, Brookhaven National Laboratory, 631 344-5370 [haupt@bnl.gov](mailto:haupt@bnl.gov)

Hank described the products and processes the Staff Services Division switched to in order to reduce the use of aerosol brake cleaners which create dust, are expensive (\$3 to \$4 per can), may contain harmful components, and must be treated as hazardous waste if the cans are not punctured. The Laboratory replaced aerosol cans with spray bottles and the cleaning solution with water and detergent. A catch basin is used to capture the spent fluid which can then be reused.

**2. SRS New Markets for Unserviceable Cargo Containers** – John Harley, Savannah River Site, 803-557-6332 [john.harley@srs.gov](mailto:john.harley@srs.gov)

The SRS is using refurbished Sealand cargo containers for waste disposal because they are more economical than B-25 boxes (one 40-foot Sealand equals 24 B-25 boxes) and they offer greater packing efficiency. The vendor of the refurbished containers can rebuild excess, and even somewhat damaged, containers to meet customer's specifications.

**3. DOE Metals Moratorium Suspension** – Arnie Edelman, HQ, 301-903-5145 [arnold.edelman@science.doe.gov](mailto:arnold.edelman@science.doe.gov)

NNSA has drafted a memorandum regarding the metals moratorium that is working its way through the system but there is no word on when it might be finalized. The same can be said for the PEIS. Several sites explained that they are disposing significant amounts of clean materials as waste due to the suspension. Arnie indicated he will raise the problem at the upcoming Field Management Council meeting.

**4. Unneeded Materials and Chemicals (UMC)** – Arnie Edelman, HQ, 301-903-5145 [arnold.edelman@science.doe.gov](mailto:arnold.edelman@science.doe.gov)

The UMC strategy was issued in December 2005; June 2006 is the deadline by which sites with aggregates of \$50,000.00 or more of unneeded materials and chemicals must submit site-specific plans.

**5. Federal Electronics Challenge (FEC)** – Jeff Eagan, HQ, 202 586-4598 [Jeff.Eagan@hq.doe.gov](mailto:Jeff.Eagan@hq.doe.gov)

Jeff relayed several FEC items of interest; please contact him for additional or clarifying information on the following points or the FEC in general:

- Electronic stewardship will be included in the National Environmental Scorecard and an executive order on electronic stewardship may be issued. Scorecard criteria are under development. DOE is represented on the OMB/OFEE Electronic Stewardship Working Group and is emphasizing that reporting must be made as easy as possible.
- EPEAT, the Electronic Product Environmental Assessment Tool, should be up and running by June 2006. The assessment tool uses 44 criteria to rank the "greenness" of electronic products. Teleconference training on EPEAT will be available in April and May.

- Sites can still enter the Electronics Reuse and Recycling Challenge. The competition ends in March but sites can enter the campaign retroactively.
- The initiative to send excess electronic equipment to areas devastated by Hurricane Katrina is ongoing although FEMA is behind on arranging transportation and pickup of donated equipment.

**6. P2 Data Call** – Don Lentzen, 202 586 7428 [Donald.Lentzen@eh.doe.gov](mailto:Donald.Lentzen@eh.doe.gov)

The Department shows dramatic decreases in generation of transuranic, low-level radioactive, hazardous, mixed, and sanitary waste since 1993. Sites reported recycling 834 metric tons of electronic material.

**7. Environmental Symposium/ DOE P2 Workshop** – Josh Silverman, HQ, 202 586 6535 [josh.silverman@eh.doe.gov](mailto:josh.silverman@eh.doe.gov)

- The agenda, registration form, and hotel recommendations for the Environmental Symposium are available at <http://fedcenter.gov>. DOE will be quite visible at the Symposium: representatives from 5 sites and 4 HQ offices will be making presentations. Details are still being worked out for a possible tour of a DOE-certified high performance building at the National Institutes of Health.
- Topics planned for the DOE P2 Workshop include the new P2 and Sustainable Environmental Stewardship goals and their performance measures, reporting on the new P2 goals, strategies for dealing with unneeded chemicals and materials, and the P2 awards ceremony. Televideo capability will be available.

**8. Chemical Safety and Lifecycle Management** – Josh Silverman, HQ, 202 586 6535 [josh.silverman@eh.doe.gov](mailto:josh.silverman@eh.doe.gov)

Based on a recommendation from the EFCOG Chemical Safety Team, Volume 2 of the Chemical Safety Handbook is being rewritten to promote lifecycle management as the most appropriate way to improve chemical safety by reducing inventories, reducing waste, and identifying and reducing unnecessary risk. The revised Handbook will be in REVCOM soon with the expectation that it will be final in summer 2006. The lifecycle management of chemicals emphasizes EPP and analysis of disposal options prior to procurement.

**April 2006 P2 Conference Call**  
**26 April 2006**

**1. Chemical Management Program Performance** – Butch Byers, Stanford Linear Accelerator Center, 650-926-2465, [bbyers@slac.stanford.edu](mailto:bbyers@slac.stanford.edu)

Butch presented the results of the 6-month review of SLAC's Chemical Management Program. Briefly, SLAC investigated options to its chemical management program due to problems with procurement, delivery delays, and product substitutions made without researchers' knowledge. SLAC stores inventory was transferred completely to Haas TCM in June 2005; bulk gas management was turned over in August of that year.

The chemical catalogue contains 1662 active chemicals and 2,044 material requests have been filled since the new program began; chemical and gas expenditures from August through January were \$445,628. On average, the procurement order cycle time is less than one business day. As of March 2006, 171 SLAC users in 35 different work areas had access to the chemical management program's e-commerce business system (tcmIS) which provides electronic cataloguing, ordering, order tracking, data tracking, MSDS management, electronic invoicing, cost reporting, and EHS reporting to SLAC.

**2. P2 in Savannah River Site Deactivation and Decommissioning** – John Harley, Savannah River Site, 803-557-6332, [john.harley@srs.gov](mailto:john.harley@srs.gov)

John described the process SRS uses to embed P2 in deactivation and decommissioning (D&D) activities in order to determine the best disposition of materials and waste. The D&D process entails completing an environmental evaluation checklist which, among other things, identifies permits that must be closed out and satisfies NEPA. In addition, a Facility Decommissioning Evaluation form is sent to the State and DOE for approval.

A Waste Identification Form provides for the characterization of all materials to be removed from the facility and offers guidance on optimizing removal operations and waste disposition. The form is developed based on a historical analysis of the facility's use and processes including interviews of people with knowledge of its operations and procedures. Waste Stream Worksheets itemize each type of material or waste in the facility and its disposal path. The worksheets lead to Work Packages which are task specific descriptions of what exactly will be done.

**3. OMB Scorecard** – Jane Powers, HQ, 202 586-7301, [Jane.Powers@hq.doe.gov](mailto:Jane.Powers@hq.doe.gov) and Jeff Eagan HQ, 202 586-4598 [Jeff.Eagan@hq.doe.gov](mailto:Jeff.Eagan@hq.doe.gov))

Jeff reported that electronics recycling will be added to the OMB scorecard and DOE is working with OMB to identify metrics that reduce the reporting burden while still demonstrating actual accomplishments.

Jane reported that the OMB environment scorecard requests information on EMS, EPP, green buildings, electronics recycling, and compliance management. The new P2 and

Sustainable Environmental Stewardship goals align with the scorecard reporting and an EO 13148 workgroup is developing new EMS measures that should aid in scorecard reporting. The EPP component of the scorecard relies on EO 13101 data. Agreement will be reached between EH and EE regarding responsibilities for the green building/sustainable design element of the scorecard.

#### **4. Congratulations**

The following P2 Star Award winners will be honored at the Earth Day celebration and the P2 Workshop:

**Fermi National Accelerator Laboratory** *E-Waste Management and Recycling at Fermilab*

**Los Alamos National Laboratory** *Innovative Tools and Approaches for Environmental Management Systems (EMS) Implementation at LANL*

**National Renewable Energy Laboratory** *Sustainable NREL – An Innovative Approach to EMS (Environmental Management Systems)*

**Office of Energy Efficiency and Renewable Energy** *Interagency Sustainable Working Group (ISWG)*

**Pacific Northwest National Laboratory** *PNNL Stewardship: Conservation Through Reuse*

**Sandia National Laboratories/New Mexico** *(1)Comprehensive Environmentally Preferable Purchasing (EPP) Program and (2) Creation of a Printer Supply Exchange*

**Savannah River Site** *Savannah River's Recycle Opportunities Expand*

Kudos also to the **Kansas City Plant** (bronze award) and **Pacific Northwest National Laboratory** (silver award) for their success in the Federal Electronics Recycling and Reuse Challenge. **Headquarters** also received a bronze award. DOE contributed 25% of all the electronic equipment recycled by the Federal government during the Challenge.

**May 2006 P2 Conference Call**  
**18 May 2006**

**1. White House Closing the Circle Competition** – Don Lentzen, 202 586 7428  
[Donald.Lentzen@eh.doe.gov](mailto:Donald.Lentzen@eh.doe.gov)

Don congratulated the just-announced results of the White House Closing the Circle competition:

**CTC Winners:**

- **Pacific Northwest National Laboratory** “Stewardship Team: Conservation through Reuse” in the waste/pollution prevention category;
- **DOE HQ/Savannah River Site/Idaho National Laboratory/Pantex** “Green Fleet Team: Petroleum Fuel Reduction through Alternative Fuels” in the alternative fuel and fuel conservation in transportation category;
- **Sandia National Laboratories/NM** “P2 Staff and Procurement Green Teams” in the green purchasing category; and
- **Y-12 National Security Complex** “Reduce, Reuse and Recycle Team: Multi-organizational Reduce, Reuse and Recycle” in the recycling category.

**CTC Honorable Mentions:**

- **Savannah River Site** “Recycling Team: Recycle Opportunities Expand,” and
- **National Renewable Energy Laboratory** “Sustainable NREL: An Innovative Approach to Environmental Management Systems.”

**2. Sustainable NREL: An Innovative Approach to EMS** – Susan Huffnagle, NREL, 303 384-7547, [Susan\\_huffnagle@nrel.gov](mailto:Susan_huffnagle@nrel.gov)

The National Renewable Energy Laboratory (NREL) EMS and the Laboratory’s Sustainable NREL program have a symbiotic relationship in which the EMS provides structured processes and procedures and Sustainable NREL is the mechanism to implement the EMS and achieve the EMS goals. The environmental stewardship component of Sustainable NREL links to the EMS environmental policy.

Susan presented NREL’s life cycle assessment of its energy use as an example of the success of this relationship. NREL annually tracks its reductions in CO<sup>2</sup> emissions using a 2003 baseline but it also tracks its progress in other goals. Since 88% of the Laboratory’s CO<sup>2</sup> footprint comes from its energy consumption, a comprehensive energy management program is a key part of Sustainable NREL. The Laboratory’s energy use was 23% lower in 2005 than 1990 through a series of planned actions.

An NREL goal is developing an EMS with an even wider scope than the original ISO 14001 framework.

**3. Implementation of P2 into PNNL EMS** – Theresa Aldridge, Pacific Northwest Site Office, 509-372-4508, [theresa.aldridge@pnso.science.doe.gov](mailto:theresa.aldridge@pnso.science.doe.gov)

Theresa attributed PNNL's P2 successful efforts to a strong EMS tracking system, employee training and awareness, an integrated EPP program, and technical assistance provided for pollution prevention opportunity assessments and other requests. The Laboratory's P2 objectives and measures are included in the Office of Science Performance Evaluation Management Plan; performance in achieving them is tracked to identify opportunities for improvement and determine PNNL's fee.

In addition, the Laboratory's Standards Based Management System promotes P2 implementation through appropriately tailoring requirements and encouraging worker involvement and empowerment. The Electronic Prep and Risk tool is useful in identifying P2 opportunities and risks in the early stages of developing research proposals.

**4. Integrating P2 into EMS at the Waste Isolation Pilot Project** – Judy McLemore, 505-234-8972, [judy.mclemore@wipp.ws](mailto:judy.mclemore@wipp.ws).

The EMS at the Waste Isolation Pilot Project (WIPP) was implemented in 1996 and the site became ISO 14001 certified in 1997. Since 2003 the site operated in alignment with ISO 14001 but without certification.

DOE and the site contractor have signed on to the EMS policy statement: "We will seek to achieve pollution prevention through safe, responsible and cost effective methods." Accordingly, WIPP's P2 objectives and targets are subscribed to across the site. Reducing paper consumption by 5%, completing the bio-diesel use evaluation, identifying EPP cleaning products, and increasing recycling to total generated by 5% are among the site's objectives and targets. One objective, to develop a water usage profile and identify opportunities for improvement, resulted in a 41% reduction in water use in one year.

**5. Federal Electronics Challenge (FEC)** – Jeff Eagan, HQ, 202 586-4598  
[Jeff.Eagan@hq.doe.gov](mailto:Jeff.Eagan@hq.doe.gov)

Jeff again congratulated the Kansas City Plant, WIPP, and HQ for their achievements in the Federal Electronics Recycling and Reuse Challenge. The Department was responsible for 25% of all federal electronics recycled during the Challenge.

The Electronic Product Environmental Assessment Tool (EPEAT) should be on line by the end of June. The system rates computers and monitors on 45 environmental indicators. More information on EPEAT is available at <http://www.epeat.net/>.

DOE was the first federal agency to incorporate FEC into the annual EO 13148, Greening the Government Through Leadership in Environmental Management. Jeff always

welcomes any information sites have on best practices, lessons learned, successes, and FEC-related ideas.

**6. DOE P2 Workshop** – Jane Powers, HQ, 202 586-7301, [Jane.Powers@hq.doe.gov](mailto:Jane.Powers@hq.doe.gov)

Jane reported that 32 people attended the P2 Workshop in-house in addition to all those who participated by video and she thanked everyone for their involvement. Plans are to hold the P2 Workshop again next year in conjunction with the OFEE Symposium. Proceedings of the 2006 OFEE Symposium are available at <http://www.fedcenter.gov/calendar/conferences/symposium2006/proceedings/>

**June 2006 P2 Conference Call**  
**15 June 2006**

**1. Oak Ridge National Laboratory Sustainable Landscaping** – Susan Michaud, 865 576-1562, [sun@ornl.gov](mailto:sun@ornl.gov)

The Laboratory developed its Conceptual Landscape Plan and Design Guidelines in 2003 to create a campus rather than industrial feeling about the buildings and grounds, facilitate navigation around the campus while creating pedestrian paths that discouraged jaywalking, and promote the Laboratory's mission by developing attractive outdoor seating areas that facilitate communication. The Guidelines called for landscaping that requires low energy use and minimal intervention and provides long term solutions while reinforcing the Laboratory's environmental goals.

Stemming from these guidelines, the Laboratory removed invasive plants and is landscaping with native trees, road friendly trees, plants that are self-seeding and do not require pruning, porous paving that acts as a natural filter to protect groundwater, and recycled materials. Gray water is used for irrigation. All these activities supported LEEDs certification for four buildings.

**2. Sanitary Effluent Reclamation Facility (SERF) at Los Alamos National Laboratory** – Steven Hanson, [hanson@lanl.gov](mailto:hanson@lanl.gov)

The Sanitary Effluent Reclamation Facility (SERF) is designed to further treat sanitary effluent from the Laboratory's domestic wastewater treatment facility so that it can be used in cooling towers for the supercomputing facility. Construction began in 2002 and operations began in March 2005. Due to funding shortages, the SERF is currently not in use. While functioning, it treated 10 million gallons of water; it has the capacity to treat about 50 million gallons a year. Efforts are underway to establish new uses for the facility to aid the Laboratory in achieving its zero discharge goal and address water shortage problems in the county.

**3. Savannah River Site R-Basin Remediation** – John Harley, 803-557-6332, [John.Harley@srs.gov](mailto:John.Harley@srs.gov)

Vegetation removal, chipping, and composting with on-site disposal was the selected remedy for an approximately 13-acre former water seepage basin that had been overtaken by trees and other growth. Because the chipping and composting reduced the volume of the contaminated waste (by about 50%) and the probability of subsidence, the State agreed to the remedy and allowed on site disposal with an asphalt/concrete cap. Total remedy costs were \$725,000; with on-site disposal the site avoided an estimated \$3.9 million in shipment and disposal costs.

**4. New EH Guidance for Tritium Intervention Levels** – Gus Vasquez, (202-586-7629; [gustavo.vazquez@eh.doe.gov](mailto:gustavo.vazquez@eh.doe.gov)).

On 11 April 2006, EH issued guidance on deriving intervention levels for tritium contaminated crops and animal feed for DOE emergency planning and response activities. The guidance spells out the process the Department used to determine that within 8 days of a tritium release its activity level in crops has been reduced to acceptable and safe levels. The document is available at [http://www.eh.doe.gov/oepa/guidance/aea/tritium\\_dil\\_guidance.pdf](http://www.eh.doe.gov/oepa/guidance/aea/tritium_dil_guidance.pdf).

**5. Federal Electronics Challenge (FEC)** – Jeff Eagan, 202 586-4598  
[Jeff.Eagan@hq.doe.gov](mailto:Jeff.Eagan@hq.doe.gov)

Jeff announced that the FEC website at <http://www.eh.doe.gov/P2/fec.html> has been rejuvenated and encouraged sites to consider joining the FEC. The electronics recycling information required for the EO 13148 report matches that of the FEC so FEC membership does not impose a new reporting burden. Thirteen DOE sites are now FEC members.

The Electronic Product Environmental Assessment Tool (EPEAT) is now on line at <http://www.epeat.net>. The system rates computers and monitors on 45 environmental indicators; within a few weeks the website should be featuring electronic products that scored bronze, silver, or gold rankings. A training teleconference on EPEAT is scheduled for Tuesday, 20 June from 10:00 AM to 12 Noon (EDT). Please register at [epeatrsvp@nerc.org](mailto:epeatrsvp@nerc.org). Additional EPEAT training teleconferences are planned for July and August.

The Federal Electronics Recycling and Reuse Challenge (FERRC) will be repeated in FY2007 although the name and some of the requirements may change. The start and end dates will likely be mid-November 2006 and mid-March 2007.

**6. EH Updates** – Jane Powers, 202 586-7301, [Jane.Powers@hq.doe.gov](mailto:Jane.Powers@hq.doe.gov)

The P2 reporting database is being revised and will have two databases. The P2 Performance database includes sections on site profile, accomplishments, recycling, and waste generation. The EPP database has site profile, FEC, and alternative fuel station sections. There will be a 15-day pilot of the system in August before it goes final October 1.

Changes to M231.1-1A, Environment, Safety and Health Reporting, to incorporate O 450.1, Change 2 will be made when the manual goes final (it is still in review). The Manual will not include the new P2 performance measures; they will be included in the P2 data entry guidance.

EH has funds that can be used for travel or training activities so contact Jane with P2 and environmental stewardship ideas or needs you have identified. Topical areas could include activities such as incorporating P2 in the EMS, enhancing EPP programs, developing an FEC activity, and training in pollution prevention opportunity assessment or high performance sustainable buildings (with EE).

**July 2006 P2 Conference Call**  
**20 July 2006**

**1. Solvent Substitution at Sandia National Laboratories** – Joseph Lenhart, 505-284-9209, [jllenha@sandia.gov](mailto:jllenha@sandia.gov)

By assessing the pollution prevention and safety enhancement opportunities early in the design process, Sandia was able to significantly reduce the amount of hazardous chemicals used in a cleaning process. Substituting Brulin detergent for toluene and hexanes cleaning agents reduced hazardous waste production by 83% (768 liters per year to 128 liters per year) and cleaning time from three days to one. Those reductions translated into diminished exposure to hazardous materials and cost savings of about \$40,000.00 per year.

**2. LANSCE Lead Removal** – Ben Poff, 505-665-9822, [poff@lanl.gov](mailto:poff@lanl.gov)

The Los Alamos Neutron Science Center (LANSCE) hosts several facilities that make use of the Center's proton linear accelerator: Neutron Nuclear Science, Lujan Neutron Scattering Center, Proton Radiography, and the Isotope Production Facility. LANSCE is the largest user of lead at Los Alamos National Laboratory (LANL) and, because changing research needs require different lead use configurations, the lead inventory is always in a state of flux. Prior lead inventory control systems were inefficient because each research team managed its own lead. Managing the inventory was also hampered by the perception that the lead had been activated.

In an effort to control this situation, LANSCE personnel developed a business case for a centralized inventory that incorporated life-cycle assessments, safety concerns, and waste management and disposal costs. They also created a lead user education program, worked with site P2 and EMS staff, developed a project management system, and instituted field teams to provide advice and direction to lead users. The teams consist of the waste management coordinator, an industrial hygienist, and a representative from radiation control. The LANL set aside fund was tapped for financial support.

After centralizing the lead inventory, LANSCE personnel determined that only about 1% of the inventory was activated and reduced the amount of non-activated lead by 81% through recycling via a local vendor.

**3. EMS Implementation at Oak Ridge National Laboratory** – Kathy Carney, 865-576-5748, [carneyka@ornl.gov](mailto:carneyka@ornl.gov)

Oak Ridge National Laboratory (ORNL) implemented its EMS on the same model it used earlier in gaining ISO 14001 registration in 2004 and 2005: integrate it with existing management systems or modify those systems to accommodate EMS elements. The Standards Based Management System is the framework ORNL uses for managing all internal and external requirements by identifying the appropriate management system and tools or functions to respond to requirements. As an example, a tool related to the

work/project planning and control management system is a form/questionnaire that elicits information on all environmental hazards and impacts associated with a project in order to identify opportunities to minimize the project's environmental impact.

ORNL uses its Strategic Planning Process to ensure that line organizations are aware of and integrate EMS objectives and targets into their Division Specific Business and Performance Plans. Progress in achieving the objectives and targets becomes part of the performance reviews of division leadership.

**4. Federal Electronics Challenge (FEC)** – Jeff Eagan, 202 586-4598  
[Jeff.Eagan@hq.doe.gov](mailto:Jeff.Eagan@hq.doe.gov) (presented by Josh Silverman)

The Electronic Product Environmental Assessment Tool (EPEAT) registry – a site that provides a one-stop-shop for purchasers to identify products that conform with environmental performance criteria – is due to be on line on 27 July. EPEAT is a procurement tool to help institutional purchasers evaluate, compare and select desktop computers, notebooks and monitors based on their environmental attributes. EPEAT also provides a clear and consistent set of performance criteria for the design of products, and provides an opportunity for manufacturers to secure market recognition for efforts to reduce the environmental impact of its products. The EPEAT web site is maintained by a non-profit organization – EPEAT, Inc – that operates the system for product registration and verification.

The Department is looking into recycling/take back opportunities in which it returns electronic equipment to the manufacturer and receives credit for future purchases. Please contact Jeff if you have knowledge of or experience with take back programs.

The new P2 reporting requirements for electronic equipment purchase and recycle are very similar to those required of FEC members. Thus, joining the FEC as a member would not require a lot of additional effort.

**5. P2 Updates** – Josh Silverman, HQ, 202 586 6535 [josh.silverman@eh.doe.gov](mailto:josh.silverman@eh.doe.gov)

Several sites have activities/programs that should be considered for an EPA awards programs. The EPA's Water Efficiency Leaders (WEL) awards recognize organizations and individuals who are providing leadership and innovation in water efficient products and practices. The nomination deadline is 28 July. More information is available at <http://www.epa.gov/water/wel/>

In addition, DOE sites appear to have existing programs that qualify for recognition under NPEP – National Partnership for Environmental Priorities. NPEP is a voluntary program, run by EPA, that focuses on reductions in the use or release of the 31 Priority Chemicals (PC) identified under TRI. It seeks a 10% reduction in PC releases reported to TRI by 2008, using 2001 as a baseline year. Lead is the toxic material most frequently targeted by participating sites, with mercury second.

The NPEP entails no ongoing reporting requirement apart from 1) the initial application and 2) certifying that you have achieved the targeted reduction. Overall, NPEP offers a relatively simple way to obtain recognition for the good environmental work sites are already engaged in. Additional information is available at <http://www.epa.gov/epaoswer/hazwaste/minimize/partnership.htm>

The P2 reporting system re-design is on track and should be ready for pilot-testing in early August by the five volunteer sites: Brookhaven National Laboratory, Sandia National Laboratories, Lawrence Livermore National Laboratory, and Princeton Plasma Physics Laboratory.

**August 2006 P2 Conference Call**  
**17 August 2006**

**1. P2 Integration in Rad Area Construction at Y-12** – Brad Graves, 865-241 2090,  
[gravesmb@y12.doe.gov](mailto:gravesmb@y12.doe.gov)

In one construction operation alone, Y-12 saved over \$1million by applying P2 principles which reduced the need for workers to use personal protective equipment (PPE). Research shows that workers can be 60-75% more effective when they work without PPE. Before workers are cleared of the need for PPE, radiation control personnel work closely with project managers to ensure that the work can be done safely and cost effectively. Because the process is based on a strong safety record – only one personal contamination in over 18,000 radiation work permits since 1999 – and can save money, project managers are embracing it.

**2. Path Forward for Release of Uncontaminated Scrap Metal is Approved** – Craig Snider, 806 477 5906, [csnider@pantex.doe.gov](mailto:csnider@pantex.doe.gov)

On 28 July 2006 the Secretary approved a two-step plan for the unrestricted release of uncontaminated scrap metal from radiological areas. In the first step, Pantex will develop a set of scrap metal clearance protocols that include documented process knowledge, confirmatory surveys, process evaluation, and Headquarters confirmation. Step 2 is based on the Pantex pilot protocols and calls for developing protocols that can be used by other DOE and NNSA sites for unrestricted release of scrap metal. The protocols developed under Step 2 would be subject to a separate approval process and NEPA review.

Pantex and Headquarters are in the process of negotiating the Step 1 protocol.

**3. EMS and Database Reporting** – Josh Silverman, 202 586 6535  
[josh.silverman@eh.doe.gov](mailto:josh.silverman@eh.doe.gov)

EPA released the metrics that will be used for each of the next three calendar years to measure EMS performance and successes. The measures are grouped into three categories: (1) EMS scorecard metrics, (2) EMS effectiveness questions, and (3) EMS experiences feedback. The category 1 and 2 measures are in multiple choice format; the category 3 measures request responses of up to 3 bullet statements.

The 5-site pilot testing of the P2 database provided very useful information that will be used to modify the database and its accompanying guidance. The database should be up and running on schedule.

**4. Federal Electronics Challenge (FEC)** – Jeff Eagan, 202 586-4598  
[Jeff.Eagan@hq.doe.gov](mailto:Jeff.Eagan@hq.doe.gov)

FEC updates are as follows:

- EPEAT (the Electronic Product Environmental Assessment Tool) was rolled out on 24 July; as of the middle of August, over 70 items were EPEAT qualified. DOE participation in the EPEAT roll-out conference call was very strong.
- In the FY2006 DOE-HQ vendors market survey, the DOE Chief Information Officer (CIO) specified a purchasing preference for EPEAT-registered desktops computers, notebooks and monitors to be purchased for use in the Common Operating Environment (formerly eXCITE) at Headquarters. Laptops purchased in FY2007 must be EPEAT bronze- or silver-certified.
- DOE sites in EPA Regions 8, 9, & 10 are invited to a Workshop on Federal Stewardship of Electronics and Priority Chemicals sponsored by the FEC and the National Partnership for Environmental Priorities (NPEP). The Workshop, on 16 and 17 October, will be held in Seattle, Washington. Further information is available at: <http://www.federalelectronicschallenge.net/workshop.htm>
- FEC upcoming conference calls address Electronics Operations and Maintenance, 7 September; and Performing an On-Site Review of an Electronics Recycler, 5 October. Powerpoint presentations and additional information will be posted at <http://www.federalelectronicschallenge.net/partcall.htm>.
- The FEC Reuse and Recycling Challenge, which premiered in 2005, will run again this year but the name may change. The contest will run from 15 November 2006 to 15 March 2007 with winners being recognized at an Earth Day ceremony at the White House.
- The FEC awards nomination process has been significantly streamlined because EPEAT is now the baseline for preferred products.

**September 2006 P2 Conference Call**  
**21 September 2006**

**1. INL Green Building Strategy** – Jennifer Dalton Morton, 208-526-0795,  
Jennifer.morton@inl.gov

The INL Green Building Strategy (INL GBS) document was prepared for Idaho National Laboratory management and architects to guide them in designing green buildings. The document presents green strategies at three levels with each level presenting more aggressive elements: Baseline Minimum, LEED Certification, and Innovative.

The Baseline Minimum lists the features that will automatically be incorporated in buildings and the LEED Certification level lists those that, for buildings greater than 25,000 ft<sup>2</sup> or \$10 million, should result in LEED Silver certification. The Innovative level is a stretch goal and calls for research in areas that would result in INL demonstrating leadership in green buildings. The levels were organized by the five LEED categories: sustainable sites, water efficiency, energy and atmosphere, materials and resources, and indoor environmental quality. The INL GBS includes a matrix that conveys how the elements of each strategy contribute to the following benefits: lower or not increased capitol cost, reduced operations and maintenance costs, increased productivity, contributes to or fulfills LEED prerequisite, or contributes to or fulfills LEED credit.

**2. Release of Uncontaminated Scrap Metal Protocol Update** – Craig Snider, 806 477 5906, [csnider@pantex.doe.gov](mailto:csnider@pantex.doe.gov)

The scrap metal clearance protocols developed by Pantex will be revised based on comments from Headquarters that the tritium provisions of the protocol should be removed. Pantex will make the requested modification and resubmit the protocol for approval by Headquarters. The draft protocol allows for release if there is no detectable activity — defined as nothing greater than background detected by commercially available instruments.

**3. P2 Datacall** – Josh Silverman, 202 586 6535 [josh.silverman@eh.doe.gov](mailto:josh.silverman@eh.doe.gov)

The data entry guidance for submitting FY06 P2 information will be issued in the last week of September. The database will open for data entry on Monday, 1 October and close on Friday, 1 December. Josh is planning one and possibly two conference calls with people interested in “walking through” the newly revised reporting system. Prior to the conference call(s) participants will need to have their login ID and password and have completed the site profile. The P2 data base will be used for reporting on EPP, recycling, and waste generation and submitting P2 award nominations.

**4. Federal Electronics Challenge (FEC) – Jeff Eagan, 202 586-4598**  
[Jeff.Eagan@hq.doe.gov](mailto:Jeff.Eagan@hq.doe.gov)

FEC updates are as follows:

- The *DOE Electronic Stewardship Reference Guide* (draft) which encompasses all policies and DOE directives related to electronic stewardship will be emailed shortly to the people on Bev's distribution list. Bev will also distribute a PowerPoint slide show, *Electronic Stewardship: News You Can Use*, which sites can use as needed.
- EPEAT (the Electronic Product Environmental Assessment Tool) currently lists 140 separate items at the Bronze level or higher; 90% of the items are listed at the Silver level or higher. The DOE Chief Information Officer (CIO) mandates that notebooks purchased for use at Headquarters must be EPEAT-registered and recommends EPEAT-registration for desktop computers and monitors.
- DOE sites in EPA Regions 8, 9, & 10 are invited to a Workshop on Federal Stewardship of Electronics and Priority Chemicals sponsored by the FEC and the National Partnership for Environmental Priorities (NPEP). The Workshop, on 16 and 17 October, will be held in Seattle, Washington. Further information is available at: <http://www.federalelectronicschallenge.net/workshop.htm>. The priority chemicals component of the workshop will probably be presented at the Spring 2007 Federal Environmental Summit.
- DOE is working to minimize the reporting responsibilities of FEC membership. One action is that Headquarters will submit the Department's complex-wide FEC goals and request that they meet the requirement for sites' goals statements. More information on this action will be provided as it becomes available.
- Awards for electronics recycling keep expanding:
  - The FEC Reuse and Recycling Challenge starts on 15 November 2006 and ends on 15 March 2007. Winning sites will be honored at an Earth Day ceremony at the White House.
  - FEC Challenge Award applications are due 31 January 2007.
  - The White House Closing the Circle competition has added an electronics stewardship award category.

**5. HSS / Draft New Executive Order – Jane Powers, 202-586-7301,**  
[Jane.Powers@eh.doe.gov](mailto:Jane.Powers@eh.doe.gov)

- A recent Secretarial Memo disestablished the Office of Environment, Safety, and Health and established the Office of Health, Safety and Security (HSS). Jane and Josh are in the Office of Nuclear Safety and Environmental Policy; Bev, Don, and Jeff are in the Office of Nuclear Safety and Environmental Assistance. Both offices report to Tom Traceski; the P2 unit plans continued functioning.
- The Office of Management and Budget (OMB) requested agency comment on a draft Executive Order (EO), *Enhancing Government Performance Through Effective Environmental, Energy, and Fleet Management*. The proposed EO revokes EOs 13101, 13123, 13134, 13148, 13149, and 13221 but implements most of their provisions in an appendix. The draft EO is not yet publicly available and there is no indication of when it might be put into effect by the President but it is very compatible with DOE O 450.1, Chg 2.

**October 2006 P2 Conference Call  
19 October 2006**

**1. INL Biobased Pilot of Fleet Products** – Anne Lilly Dustin, 208 526 3952,  
[dustal@inel.gov](mailto:dustal@inel.gov)

INL received a grant from the United SoyBean Board to pilot use of three biobased products in its Transportation Services Department. The Gemteck SC Glass Cleaner is as effective as the product previously used but requires less of the product. Several users considered the EnviroLogic31 Penetrating Lubricant superior to the product presently used. The third product, Safe Care Aircraft and Metal Cleaner, worked well for cleaning and maintaining a shine but lacked the abrasiveness needed to remove rust. INL was sufficiently pleased with the products to place them in the procurement system.

**2. EMS Reporting Process** – Steve Woodbury, 202 586 4371,  
[Steven.Woodbury@eh.doe.gov](mailto:Steven.Woodbury@eh.doe.gov)

The Metrics Subgroup of the Interagency Workgroup on Implementation of EO 13148 was charged with developing a system to assess the ongoing improvement and assessment of sites' EMSs. What evolved is a three-part survey designed to assess the status and impact of the EMS. Part one consists of several questions and a scale of four possible responses that range from statements to the effect of "everything is in place" to "we are working on putting it in place." The other two parts are less structured and ask for brief narrative information on EMS barriers, lessons learned, successes, etc. The metrics will remain the same for three years to facilitate trending analyses.

EMS data will be collected via a FedCenter website. DOE Program Offices will -- but EPA will not -- be able to review site EMS data. Steve requested Program Offices to supply the name of someone from each site to receive a FedCenter password to enter site EMS data. EMS reporting is due by the end of December 2006.

**3. Release of Uncontaminated Scrap Metal Protocol Update** – Craig Snider, 806 477 5906, [csnider@pantex.doe.gov](mailto:csnider@pantex.doe.gov)

The technical issues surrounding the Pantex pilot protocol for releasing uncontaminated scrap metal have been resolved; a few wording changes still need to be made. Several general aspects of the protocol may have applicability to any subsequent protocols developed by other sites but technical issues regarding release and recycle will need to be site-specific.

**4. P2 Data Call** – Don Lentzen, 202 586 7428 [Donald.Lentzen@eh.doe.gov](mailto:Donald.Lentzen@eh.doe.gov) and  
Josh Silverman, 202 586 6535 [josh.silverman@eh.doe.gov](mailto:josh.silverman@eh.doe.gov)

As follow-on to Ms. Dustin's presentation on biobased products, Don pointed out that information on biobased products is available at <http://www.biobased.oce.usda.gov/fb4p/> and <http://www.eh.doe.gov/p2/epp/>.

Josh is preparing an email message suggesting how sites with multiple EMSs should provide the EMS information requested in the data call.

**5. Federal Electronics Challenge (FEC)** – Josh Silverman, 202 586 6535  
[josh.silverman@eh.doe.gov](mailto:josh.silverman@eh.doe.gov) and Nancy Ranek, 202 488 2417, [ranekn@anl.gov](mailto:ranekn@anl.gov) for  
Jeff Eagan, 202 586-4598 [Jeff.Eagan@hq.doe.gov](mailto:Jeff.Eagan@hq.doe.gov)

FEC updates are as follows:

- The DOE Electronic Stewardship Reference Guide (draft) was released for review and comment on 17 October and mailed to everyone on the P2 Monthly Conference Call mailing list. The Guide describes the regulatory drivers and DOE policies and practices pertinent to DOE's electronics stewardship program. It also describes the DOE HQ case study and summarizes electronics stewardship reporting requirements.

Submit comments on and ideas for the Guide to Jeff.

- Topics and dates have been selected for upcoming FEC teleconferences. The call on November 2, 2006 covers Annual Reporting and Award Application; the topic of the December 7, 2006 call is Non-Computer, Laboratory and Other Specialized Electronic Equipment. The call in numbers and conference codes are the same for both dates: 1-866-299-3188; Conference Code 899999. The calls start at 1:00 Eastern Time.
- The 12 September 2006 memorandum from DOE's Chief Information Officer bans the sale, donation, or transfer of hard disk drives or other magnetic computer storage media or device to an off-site contractor or other organization for disposal. Josh asked for feedback on the impacts of this interim cyber security guidance on site operations. Craig Snyder described the process Pantex uses to make hard disk drives suitable for recycling.
- The FEC Electronic Recycling and Reuse Campaign starts on 15 November 2006 and ends on 15 March 2007. Contact Jeff for further information.

**November 2006 P2 Conference Call  
16 November 2006**

**1. BNL National Partnership for Environmental Performance/ National Environmental Performance Track – Bob Lee, 631 344 3148, [blee@bnl.gov](mailto:blee@bnl.gov)**

Brookhaven National Laboratory (BNL) applied for membership in the National Partnership for Environmental Performance (NPEP) and the National Environmental Performance Track (PTrack) in July 2004 and was accepted in both programs in August of that year.

PTrack membership required that BNL have a strong EMS, document improved environmental performance, and establish four 3-year commitments. BNL demonstrated that it had reduced water consumption by more than 700 million gallons per year since 1995 and hazardous waste generation by more than 80% since 1994.

BNL's commitments were to recover and restore land, reduce use of mercury and ODS (ozone depleting substances), and reduce radioactive air emissions. By recovering areas resulting from building demolition, implementing prescribed burns in order to restore forest areas, and establishing no-mow areas, BNL actually exceeded its goal to recover or restore a total of 30 acres to native vegetation – it restored 41 acres. Because the Lab's base inventory of mercury was smaller than expected, it was not able to achieve its goal of an 80% reduction in its onsite inventory. However, BNL did reduce that inventory by 40%.

The Lab achieved its goal to reduce its on-site inventory of ODS by 30 tons (CFC-11 equivalent) – and did so earlier than expected. As of December 2005 BNL had removed or replaced 32.5 tons of CFC-11 equivalent refrigerants. The Lab also exceeded its goal to reduce radiological emissions from the Brookhaven Linac Isotope Producer (BLIP) by 28%. By installing a Lucite enclosure to minimize evaporative losses of target cooling water, the Lab reduced emissions ranging from 29 to 35%.

NPEP membership required that BNL make two commitments to reduce generation of priority pollutant wastes; it chose to reduce the generation of mercury bearing wastes by 25% and the Lab inventory of PCBs by 50%. BNL actually reduced its generation of mercury bearing wastes from 600 pounds in 2004 to 100 pounds in 2005 – an 80% reduction – and it achieved a 90% reduction in its PCB inventory.

In addition to making significant progress in environmental protection, BNL benefited through the recognition it received from federal and state regulators.

**2. P2 Data Call – Josh Silverman, 202 586 6535 [josh.silverman@eh.doe.gov](mailto:josh.silverman@eh.doe.gov)**

As of mid-November, 38 of 45 sites had started to use the P2 Performance Database. PSOs will receive weekly updates of sites' progress in responding to the P2 data call.

Reports of system glitches and opportunities for improvement are welcome – please report them so glitches can be fixed and opportunities implemented.

**3. Federal Electronics Challenge (FEC) – Jeff Eagan, 202 586-4598**  
[Jeff.Eagan@hq.doe.gov](mailto:Jeff.Eagan@hq.doe.gov)

FEC updates are as follows:

- The FEC Electronic Reuse and Recycling Campaign started on 15 November 2006 and ends on 15 March 2007. In last year's competition, DOE was responsible for 20 – 25% of the electronics recycled by the federal government. Other points to consider:
  - easy registration for the Campaign is available at <http://www.federalelectronicchallenge.net/> ,
  - documentation is simplified, and
  - internal reuse is counted toward Campaign totals.
- The deadline for the FEC awards is 31 January 2007 for activities conducted in calendar year 2006. Jeff offered his assistance in completing the award nomination forms which are available at <http://www.federalelectronicchallenge.net/recognition.htm>
- The DOE Chief Information Officer (CIO) is requiring purchase of EPEAT-certified laptops and desktops.
- Contact Jeff with any questions or problems arising from the 12 September 2006 memorandum from the CIO's that bans the sale, donation, or transfer of hard disk drives or other magnetic computer storage media or device to an off-site contractor or other organization for disposal.

**4. Security/Environment Interface; EMS Reporting Process – Steve Woodbury, 202 586 4371, [Steven.Woodbury@eh.doe.gov](mailto:Steven.Woodbury@eh.doe.gov)**

An issue raised at a recent EFCOG meeting was the interface of security and environment issues. Paper shredding is a P2 example of the problems that can arise from that interface: classified documents must be powder shredded but paper recyclers do not accept the shredded product for recycling. Contact Steve with information on this or other issues arising from the security-environment interface.

The FedCenter website is being prepared to allow sites to enter their EMS data. EMS reporting is due by the end of December 2006.

**5. Pantex Moratorium Pilot Project Update – Carl Sykes, 301-903-7399, [carl.sykes@msa.doe.gov](mailto:carl.sykes@msa.doe.gov)**

After a few details of the Pantex pilot protocol for releasing uncontaminated scrap metal are resolved Pantex will begin recycling their clean scrap. Several general aspects of the protocol may have applicability to any subsequent protocols developed by other sites but technical issues regarding release and recycle will need to be site-specific.

**6. Developments Regarding Scrap Metal Suspension, Gus Vazquez, 202-586-7629, ([Gustavo.Vazquez@hq.doe.gov](mailto:Gustavo.Vazquez@hq.doe.gov))**

A recommendation from the April 6, 2006 memorandum from the Secretary on the release of uncontaminated scrap metal was that EM should conduct an internal scrap metal policy review to develop a path forward for the disposition of contaminated metals. EM's present focus in that regard is contaminated nickel.

**December 2006 P2 Conference Call**  
**21 December 2006**

**1. Draft EO – Enhancing Government Performance Through Effective Environmental, Energy, & Fleet Management** – Jane Powers, 202-586-7301, [Jane.Powers@eh.doe.gov](mailto:Jane.Powers@eh.doe.gov)

The Administration is proposing a new Executive Order (EO) that merges many of the requirements of EO 13101, 13123, 13148, 13134, 13149, and 13221. The draft EO policy statement and listing of sustainable practices are quite similar to DOE Order 450.1, Ch 2.

At this point, the EMS provisions of the draft EO might require modification of EMS's to include energy and transportation functions and ISO 14001 elements. The draft EO also calls for EMS audits to be done every three years.

The draft EO is undergoing another round of agency reviews; the final EO might be issued in February or March.

**2. P2 Tracking & Reporting System / Awards** – Josh Silverman, 202 586 6535  
[josh.silverman@eh.doe.gov](mailto:josh.silverman@eh.doe.gov)

The system is now closed for comments but changes are being made to the report functions to make them more user-friendly. In response to users' comments, the EPP reporting section of the system will be modified to make it a more obvious section of the system. The Accomplishments section of the system will also be re-opened at some point so that sites can enter their accomplishments throughout the year as opposed to having to stockpile them.

The PSOs are in the process of selecting their Best-in-Class recipients. Don Lentzen is coordinating the selection process for the P2 Star awards. Efforts are also underway to submit DOE's nominations for the White House Closing the Circle competition.

**3. Federal Electronics Challenge (FEC)** – Jeff Eagan, 202 586-4598  
[Jeff.Eagan@hq.doe.gov](mailto:Jeff.Eagan@hq.doe.gov)

The FEC Electronic Reuse and Recycling Campaign started on 15 November 2006 and ends on 15 March 2007. In last year's competition, DOE was responsible for 20 – 25% of the electronics recycled by the federal government. At this point only 6 DOE sites have entered the Campaign. As a reminder, reuse of electronic equipment counts toward the Campaign totals. The simplified registration process is available at <http://www.federalelectronicschallenge.net/>.

The draft EO described by Jane includes provisions on electronics acquisition and recycling. More information will be provided when the EO is issued in its final form.

The deadline for the FEC awards is 31 January 2007 for activities conducted in calendar year 2006. Jeff offered his assistance in completing the award nomination forms which are available at <http://www.federalelectronicschallenge.net/recognition.htm>

Several sites described the difficulties they are facing in protecting the security of all electronic memory systems while trying to recycle/reuse electronic equipment. Contact Jeff with any questions or problems arising from the 12 September 2006 memorandum from the CIO's that bans the sale, donation, or transfer of hard disk drives or other magnetic computer storage media or device to an off-site contractor or other organization for disposal.

The 3<sup>rd</sup> Annual Federal Electronics Stewardship Conference will be held on February 6-7, 2007, at the National Institutes of Health in Bethesda, MD. The conference addresses important and timely topics related to greening electronics procurement, extending the useful life of electronics and reducing their impact during use, and best managing equipment at end-of-life. More information on the conference is available at <http://www.federalelectronicschallenge.net/3rdstewardshipconf/index.htm>.

**4. OFEE Environmental Symposium /DOE P2 Workshop**– Beverly Whitehead, 202-586-6073, [Beverly.Whitehead@eh.doe.gov](mailto:Beverly.Whitehead@eh.doe.gov)

The OFEE Environmental Symposium date has been changed to June 4-6 but the location remains the same -- the National Institutes of Health in Bethesda, MD. A call for papers and presentations will probably be issued in January. Registration for the OFEE Symposium will be conducted through FedCenter.

Last year the DOE P2 Workshop was held in conjunction with the Environmental Symposium. Information is being gathered now on the value of doing that again and the topics that should or could be covered. Contact Bev or Jane with your ideas.

**5. Pantex Moratorium Pilot Project Update** – Craig Snider, 806 477 5906, [csnider@pantex.doe.gov](mailto:csnider@pantex.doe.gov)

Pantex and HQ are sorting out tritium-related details on the Pantex pilot protocol for releasing uncontaminated scrap metal so the pilot program has not yet begun.