

## **Participants**

Tim Piero, KPPC  
Don Douglas, KPPC  
Jeff Beacham, USC IPSPR  
John Calcagni for Dan Ahern, WRRC  
Tony Best, Marine Corp  
Dave Glass, Regional Office Air Force  
Bill Raspet, Jacksonville Navy Southern Region  
Phil Barnes, USC  
A. Graves for Michael Olsen, FL  
George Smelcer, University of Tennessee  
Bob Donaghue, GAP2AD  
Annie Pearce, GA Tech  
Angela Lindler, University of Florida  
Jim Cumberland, USC IPSPR  
Ed Engbert, Army Environmental Center  
Gary Ellis, Alabama Dept. of Environmental Management  
Mark Zappi, Mississippi State University  
Hoge Greene, AEPI Army Environmental Policy Institute  
Linda Larson, Robbins Air Force Base  
George Carellas, Army Southern Region  
Adriane Willis, Army Southern Region Office  
Bob Oldendick, USC IPSPR  
Richard Ellis, Fayette State University  
Bernice Snyder, Navy Region Southeast  
Khairy Abu-Salah, Mississippi DEQ  
Christine Steagall, USC IPSPR

## **I. Introductions**

Christine welcomed everyone to the call and said the intention of the call was to give the Steering Committee the opportunity to be updated on project activities from all PIs. She had emailed an abbreviated summary of the tasks (see attached) as a reference.

## **II. Status of Projects**

### Task 2: DOD EMS/ISO 14001 Alliance for Federal Region 4 (Tier 1)

Tim Piero reported on Task 2 activities. Task 2 and Task 3 projects have a partnership between 4 universities, University of Louisville, University of South Carolina, Georgia Tech and University of Tennessee. The first part of the Tier 1 training for DOD Region 4 installations, major commands and service representatives was held on November 6-7, 2002. The training materials were distributed on the KPPC website. Over 70 people attended the training session. The second part of the training is scheduled to be held November 19-20, 2003 and will include reports and presentations from installations that

participated in the Tier 2 (Task 3) project. Hoge Green has been coordinating all of the EMS projects for DOD.

Task 3: State-level DOD Facility EMS/ISO 14001 Implementation (Tier 2)

Tim Piero also reported on Task 3. The universities are finalizing Tier 2 installations and dates of training. Training dates are being posted on the KPPC Tier 2 website at [www.kppc.org](http://www.kppc.org). The universities continue to develop internal resources and training materials for Tier 2 assessments, training, gap audits and coaching activities. The universities are working with Hoge Green to try to accommodate all installations interested in participating in Tier 2. The final list of installations should be completed by the end of the week. Some installations don't have a letter of commitment and those will need to be submitted prior to work being done.

Task 8: Database Development and EMS Integration into DOD Installation

Phil Barnes gave an overview of the project's progress. The database has been developed and is currently being reviewed and minor changes are being made. The survey questions have been developed and are being compiled and integrated. The survey addresses three areas needed to obtain data to analyze the costs and benefits of EMS implementation. Area one is the baseline data that is usually gathered in the EMS GAP analysis; area two is the implementation information, how the EMS implementation was integrated with existing environmental management programs to meet the requirements of Executive Order 13148 and the cost/benefits; and area three tracks environmental performance and other changes. **Action item: Phil to send Ed Engbert the survey and questions to review, so that the Army could determine how sustainability issues could be part of the survey.**

The Task 8 Lead Auditor Training was discussed and Phil gave the dates and locations of the training. The first training will be March 3-7, 2003 in Columbia, SC, followed by March 24-28, 2003 in Atlanta, GA, and the last training will be in Nashville, TN on April 7-11, 2003. Thirty (30) Tier 2 participants will be trained. Since there are thirty participating installations in the Tier 2 (Task 3) program, one participant from each installation will have the opportunity to attend. Ten (10) participants are allowed for each training location. Participating installations must have an EMS commitment letter to Hoge Greene in order to attend the Lead Auditor Training

Task 9: DOD P2 Watershed Advisory Board. George Carellas gave an update on the project. The Board and steering committee have been established and will meet on January 28-29, 2003 in Atlanta at the Federal Building. It will be tied into some Stormwater Phase 2 training that EPA and Catherine Fox will be conducting on and also includes a DCC training session. The project's goal is to help all the military services with southeast water issues. Water managers from installations should be aware of the watershed board. The team has completed a needs survey to prioritize and focus effects on water issues, and has determined Stormwater Phase 2 and erosion sediment control as the top two priorities.

Camp Lejeune has put together some documents that will be posted on a website and a listserv will be put together to help exchange information.

Task 13: Study of Air Quality Impacts Resulting from Prescribed Burning on Military Bases. Dr. Baumann was not able to participate in the call and this discussion was postponed for the next conference call.

Task 11: Investigation of the Effects of Munitions-related Metals Corrosion Byproducts on the Lead and Metals Mobility at Existing Small Arms Training Ranges. Dr. Bricka was also unable to participate and the discussion was postponed until February 19. Ed Engbert said Bonnie Packer had some questions and she would share some of her thoughts and uncertainties with the group concerning this task. Christine suggested scheduling a Task 11 call to talk about the specific issues.

**Action item: Christine to work out call with appropriate people to discuss Task 11 issues.**

Task 6: Development of an In-Vessel Biotreatment System for On-Board Management of Bilge Water.

Dr. Zappi said the Navy has been very helpful and gave him access to a draft report that summarizes efforts over a period of time to sample bilge water from a variety of typical classes of bilge water. The data has been compiled into a large database and the team was able to get a “global sense” of what the pollutants are in bilge water. Major classes of bilge water tend to exist, from that information they have worked with the Navy, who hired a contractor, who collected bilge water samples. The samples were characterized and a microbial study has been initiated, in which several bacteria are being investigated.

The team has initiated conversations with ship builders and has had close interaction with commercial ship operators. Gary Broom, with the Navy in Pasedula, has been behind the scenes and has kept things moving with getting samples together since the hurricane in Florida. Plans are to partner with the Navy group and do some more pilot studies.

The project has a lot of benefits and promise but no experimental data to show that the concept will work. The organisms are holding up results, but the project can look at expanding to other areas when they come in. The Navy has primary interest in the project, but the Army could also receive some benefit in the future for wastewater treatment areas and cleanup areas at different installations. When the final report is published, comments about other applications will be included in the report for the Army. The team will approach the Army and Air Force for some partnership effort to make the project more global. Dave Glass asked for a conference call between the RECs and Dr. Zappi before the report is finalized. Dr. Zappi will put a draft report together and distribute before the conference call.

In March the Army, Air Force and Navy will conduct an annual environmental technology conference in Charlotte, NC. A call for proposals should be going out from CERL. **Action item: Ed will get more information to share with the group for a possible display of the Region 4 effort at the Tri-Service Technology conference.**

Task 12: Pollution Prevention Through the Optimization of Building Deconstruction for DOD Facilities and Task 4: “How To” Guide for Conducting Green Deconstruction

Dr. Angela Lindler said the goal of the project is to determine optimum protocol for deconstruction of wooden barrack facilities and to assess any positive or negative economic and environmental impact using the life cycle analysis method. Brad Guy is in charge of the deconstruction aspect of the project. Dr. Lindler is overseeing the life cycle analysis method. The bulk of work to this point has been planning the deconstruction of barracks at Ft. McClellan. The life cycle analysis is scoped out and the database is being prepared. Brad described his deconstruction plan. Buildings have been measured and methods of deconstruction have been finalized. The actual work will begin in mid February and continue through March. There will be a workshop on March 11th and 12<sup>th</sup>, 2003 for DOD people to attend at Ft. McClellan. They are also hosting an international deconstruction conference on May 7-10, 2003 with the Army Corp of Engineers (CERL) as a major sponsor. Ft. Campbell and Ft. Knox can give testimonials at the March 11 workshop on their efforts.

Don Douglas, KPPC, gave an overview of Task 4 and tied into Brad's efforts regarding Ft. McClellan and Ft. Rucker and Ft. Bragg. The task is to develop a “how to” deconstruction manual for DOD facilities. This project team is working with Ft. Campbell and Ft. Knox. They have visited both facilities and put together a detailed summary that has been reviewed by the bases, and have done research to find out if there are some overall deconstruction specifications through the Army or DOD.

The team is planning an informal workshop in March to help Ft. Rucker and Ft. Bragg. Ft. Campbell and Ft. Knox will act as mentors. They would like to host the training workshop in the fall of 2003.

**Action Item: Christine to send master list of Region 4 military contacts to Don Douglas.**

Task 10: An Online Knowledge Base for Sustainable Military Facilities and Infrastructure

Dr. Annie Pearce, PI, gave an update on the project. The project has focused on 5 basic issues: 1) identify the barriers at an installation level from an information standpoint in terms of using sustainability principles on construction projects; 2) look at existing tools and resources; 3) document from the standpoint of people who implement projects at the installation scale, what kinds of data are already generated as part of their projects and how can that be tapped to provide them with useful feedback; 4) compile information sources at GA Tech, including their database of best practices for sustainable construction and case studies; and 5) coordinate the project schedule with three upcoming milestones which will provide opportunity for testing validation of the system (the Green Prints conference in Atlanta in Feb, Region 4 DOD P2 conference, Joint Services P2 and Hazardous Management conference in San Antonio in August 2003). The plan is to coordinate the tool development timeline in order to have products ready to test and

present at the three forums. Tool review results have shown that despite the fact that there are some good web-based tools available, they are not being used much and technology transfer will have to become a key part of their scope. The interview process has shown that there is a difference between what installations and headquarter people perceive as their information needs for implementing sustainability. Staff time constraints are also a problem. **Action item: Ed to copy Annie on any information he sends out about her project so that she can respond.**

#### Task 7: Green Procurement from Local Sources

Dr. Richard Ellis gave an overview of his project. He is tasked with identifying environmentally preferred products and product lines from local sources, and to produce training manuals for Ft. Bragg. A database has been put together that contains a list of manufacturing firms located in several counties and identifies fruit and vegetable producers in the region. Other project activities include exhibitor participation at symposiums to collect data on companies' products, a meeting at Ft. Bragg to discuss the definition of green products and creating a web page. More meetings are planned in January to discuss this further. Dr. Ellis said the final report will contain generic information that could be used within the region online, as a hard copy and on CD. He also plans travel to bases within the region to share information.

### **III. Partnership WebPages:**

Web information is being maintained by the Waste Reduction Center but there is no funding support provided through this grant. Christine has been researching putting the information on the DENIX website. Issues involve how the website transition will be made, what information needs to go on DENIX and stay at WRRC, and how will the listserv be handled. WRRC is not password protected, and it is a concern that the general public has access to sensitive information. DENIX is password protected and all PI's have approval, but all state P2 people do not. Bob Donaghue expressed concern about going through all the approval steps on DENIX after all the effort on WRRC. George Carellas suggested hot linking the two sites, using WRRC as the primary site and DENIX for sensitive information. Bob suggested WRRC could also be password protected. John Calcagni said at present WRRC is keeping the site going, but in the future DOD would need to help defray the costs. George said that DOD would not be able to fund the site because they are directed to put funds into DENIX, and EPA would need to contribute funds. Funding needed to keep it on WRRC is estimated at \$10,000 annually, with server capacity and staff time. WRRC will be updated until the funding issues and hot links can be worked out.

### **IV. RESOURCES newsletter**

RESOURCES newsletter will contain cover articles on each task. PI's who have not had an article published will be asked to submit information. Hans VanderKnyff, writer and editor of the newsletter, will be available to help. State P2 Partnerships will also need to send in updates.

### **V. Upcoming**

Upcoming conferences and training are next on agenda. Christine has submitted a paper to the National Pollution Prevention Roundtable (NPPR) for the Spring 2003 on "Addressing Regional Priorities through DOD Region 4 P2 Partnership." She plans on attending the conference to represent the partnership.

The final open item on the agenda was the PI's presentations to the state P2 partnerships at the meeting held in conjunction with Region 4 EPA states. It was suggested that it would be beneficial give these presentations to the full partnership rather than just state partnerships. State partnerships seem to be struggling and the regional partnership could possibly be helpful. **Action item: Christine could make some calls and work on this issue and schedule the next Executive Steering Committee conference call.**

### **VI. Next conference call information**

The next conference call is tentatively scheduled for February 19, 2003 at 9:00 am Eastern Standard time. The 800 call-in number is (800) 303-3124; pin 0267.

The conference call was ended.