

MEETING MINUTES: Georgia DoD Pollution Prevention Partnership
Source Reduction Work Team Meeting June 26, 2001

DATE: 7-31-01

FROM: Bill Vondersmith

Members in attendance:

- *Bill Vondersmith, P²AD – Co-Chair
- John Gates, MCLB, Albany – Co-Chair
- *LT Matthew Caudell, Moody AFB
- *Jennifer Kilbourn, Moody AFB**
- *Jim Reese, Robins AFB
- *Nathan Kirby, Fort Gordon
- John Wellborn, Fort Gordon
- *Greg Walsh, Kings Bay Submarine Base
- *Amy Lee, Kings Bay Submarine Base**
- *Les Hicks, Lockheed Martin

*Members in attendance

**New members

The Source Reduction Team (SRT) Meeting was held during the 2001 Region 4 EPA-DoD-States Environmental Conference at the Westin Peachtree Plaza in Atlanta. After the introduction of new team members, projects identified at the last meeting were updated as follows:

- Small Parts Paint Stripping – The Marine Corps Logistics Base (MCLB) in Albany, Georgia has been investigating non-hazardous compounds for stripping of paint. They contracted with Penn State university to test several materials for effectiveness and environmental impact. Penn State has issued a report containing the test results along with recommendations. As a result, MCLB has ordered an initial quantity of Turco 6776 Thin. A copy of the MSDS for this material has been requested for SRT review. Using this material to strip paint from small parts in a batch process will eliminate labor intensive individual mechanical blasting currently used. Also, removal of all old paint from the parts will allow powder coating as an option for recoating of the parts. For additional information contact Steve Allen, MCLB Albany, Georgia at (229) 639-6820, e-mail: allensh@matcom.usmc.mil.
- Non-Hazardous Paint Line Cleaner - MCLB has been running extended tests using waterborne compounds to flush paint lines and spray guns. A waterborne product from Polychem has shown good potential. Currently MCLB is using Polychem's ACRASTRIP 600 BG MOD MILITARY daily to clean paint lines. An Oakite Beta Solv compound is also being used. These two products eliminate the need to use solvents to flush paint lines. The Polychem product has been demonstrated at several other bases in Georgia, but to date MCLB is the only one that is using it daily. Moody AFB requested information on the Polychem product.

- HMMS Case Study – Deferred to personnel developing the Regional Best Management Practices (BMP) for pharmacies. Data on HMMS and other systems will be included in the BMP.
- P2 Assessment Protocol – Have outline of the Air Force Process Specific Opportunity Assessment (POSA) as a guide.
- Format for Best Practices Handbook – Developing with Regional partnership
- Survey of Best Practices and Opportunities – The survey sent out November/December of 2000 only resulted in one partial response. In an attempt to get responses the survey was simplified. The revised survey requests only three improvements implemented and three candidates for waste reduction in the areas of vehicle maintenance, painting, and parts cleaning.

New Survey Format (Attached)

Next, a copy of the proposed survey was handed out and suggestions were requested for ways to get facilities to respond. One suggestion was to insure that the right person gets the survey. To help with this, each branch of service was requested and agreed to send out the survey to the appropriate Georgia DoD facilities. Jennifer Kilbourn suggested that facilities should be given the option to provide information involving other processes than those requested. It was agreed that the survey would be revised to give facilities this option. Information from this survey will help develop case studies, best practices, and opportunities for waste reduction projects.

Regional P2 Needs Survey

Team members were asked to complete the DoD Region IV P2 Partnership Installation Priority Needs Survey during the meeting. All Georgia DoD Pollution Prevention Partnership representatives will be sent this survey at a later date. The Source Reduction and Solid Waste Work teams were asked to complete the survey to provide a pre-survey sampling. The work team responses will not be included in the survey results from the full partnership. A summary of the Source Reduction Team survey results are attached.

Brain Storming Source Reduction Needs

This part of the team meeting was dedicated to a brief (15 minutes) brainstorming session to develop a list of pollution prevention needs and possible improvements for investigation. Following is a list of items the team proposed for further evaluation.

- NO_x Reduction

An extended trial of a waterborne paint line cleaner is on going at the Marine Corps Logistic Base (MCLB) in Albany Georgia. An evaluation of this trial needs to be obtained to determine if its use can be expanded to other bases. A demonstration of this product was also given at Robins AFB. See the attached memorandum dated 10/30/00 covering this demonstration.

- Solid Waste

Recycling problems – Recycling operations at bases are not recovering operating costs. Markets for recyclables are low. Whether a base recovers revenue from recycling or the money goes into DoD general funds depends on who and under what contract the material is recycled.

Items for Investigation and Proposal Development:

- Renewable vehicle oil filters – Currently most oil filters are drained and disposed of as solid waste. There is a company that provides an oil filter leasing service. Clean renewable oil filters are provided, dirty filters picked-up, cleaned and refurbished and returned to service. Cost is based on the filter needs per vehicle per year. Minutes of the Source reduction Team meeting November 2, 2000 include additional information from the vendor presentation given at the meeting.
- Cleaning of Air Filters to Extend Filter Life – Large diesel powered vehicles and equipment have air filters that cost \$30 to \$40 to replace (filter only). There is a service and equipment available to clean these filters extending the filter life approximately four fold at 50% of the cost of a new filter per cleaning.
- Printer Cartridge Recycling – There are several companies that sell printer cartridges that will take back empty cartridges and give a credit. In most cases they will also provide a means to ship the empty cartridge back to them at no cost. This recycling effort should be coordinated through the base HAZMAT facility.
- Shop Rags Service – At several bases shop towels are purchased (cloth and paper) in some cases by individual units and when dirty disposed of as hazardous waste. Robins AFB uses a shop towel service that provides and launders the towels. The towels are handled and tracked through their HAZMAT facility. Two vendors are used for the towel service Brent Industries Inc. for those containing hazardous contaminants and National Linen Service for those with non-hazardous contaminants. Jim Reese at Robins can provide additional information on their shop towel/rag program. Jim can be contacted at (478) 926-1197 extension 126 or e-mail: james.reese@robins.af.mil.

Brent Industries Inc., 277 Hwy. 5, P.O. Box “P”, Brent, Alabama 35034: Phone (250) 926-4801 or (800)-741-4568, FAX (205) 926-4568, e-mail: brentind@dbtech.net, web site www.brentind.com

Jim Reese also described an easy open lid that Robins has developed for drums used for dirty rag containment on base. This lid makes it easy for personnel to place the dirty rags in a closed container helping to control air emissions. A standard drum lid is modified to accept a easy open lid for on base use. When full drums are shipped to the rag service for cleaning the modified lid is replaced with a standard unmodified drum lid. See attachments: “Modification of Drums for Easy Remove Lids” and “Ordering Information on Easy Open Lids”.

Each base was provided a hard copy of the Fort Gordon Vehicle Maintenance Assessment Report Dated June 14, 2000 generated by the Source Reduction Work Team. The report is on the DENIX web site: www.denix.Osd.mil under state menu, partnering, DoD state partnerships, Georgia, documents, vehicle maintenance assessment.

At the next meeting it is expected that we will have data from the work team survey and the Regional P2 needs survey. The next meeting is planned at the next full partnership meeting. Depending when that meeting is scheduled a team conference call may be needed before then.

Attachments:

- Source Reduction Team Survey Form
- DoD Region IV P2 Partnership Priority Needs Survey Source Reduction Team Results
- Memorandum on Polychem Paint Line Cleaner Demonstration at Robins AFB
- Modification of Drums for Easy Remove Lids
- Ordering Information on Easy Open Lids