

Summary of Accomplishments at ESC CY2010

EMS Competency Training

1. Training

- Competency training on (EP) Environmental procedures for the ESC management staff. 9 completed competency training.
- 2010 EMS Annual Refresher Training On-Line launched Dec 2010.

Recycling and Waste Diversion

2. Waste EMP:

- Determined procedure for transport of recyclables to Anne Arundel County Recycling Center.
- Purchased 8 additional containers for collection.
- Launched a communication effort to ensure that employees are aware of recycling opportunities through emails, signs, or staff announcement.

3. Made recycling simple and ensured that employees understood what they need to do.

- Increased the visibility of recycling containers placed in lunch rooms.

4. Revised and updated tip sheet to include changes to the recycling program.

5. Encouraged ESC staff to reduce the use of plastics by substituting alternatives such as re-usable "waste-free" containers and reusable water containers.

6. Measured and tracked recyclables and trash and calculated as waste output.

131 lbs. to AA county trash site from May to August 2010. (three deliveries)

Stormwater Management

7. Stormwater EMP:

- Made visual inspection to determine structure integrity and function.
- Monitored performance visually and thru collection of runoff samples during a big rain event.
- Provided summary reports on Stormwater run off sampling.

8. Maintained sustainable stormwater management practices at the ESC rain garden.

Green Custodial Practices

9. Suggested updates for the janitorial contracts in an effort to ensure all cleaning services are accomplished with green products and techniques.

10. Installed touchless foam soap dispensers in most of the lavatories. The new dispensers use less soap than traditional dispensers.

11. Recommended use of Environmentally preferred products in lieu of conventional cleaners.

Environmental Awareness

12. Organized Shoe Collection drive for Haitian victims. 284 lbs. collected and sent. March 2010

13. Sponsored community outreach events on the 40th Anniversary of Earth Day.

- Earth Paste workshop- How to create environmentally friendly cleaning soaps.
- Bee Colony At Ft. Meade - Increased bee pollination is beneficial for the environment.
- Swap Summit- Giving or trading away used, unwanted old treasures.
- Gordon's List- Bulletin Board for Used, Recycled and Give Away items.

14. Developed a facility-wide communication strategy to reduced ESC carbon footprints and promote stewardship.

- Monthly ECO Tips
- Email Advertisement (as needed)

- Franklin's Tickler's List - EMS Awareness reminder memos sent periodically throughout the year.

Transportation- Employee Commute

15. Conducted car pool survey. January 2010
16. Encouraged employees to use public transportation as a commuting option. (1 person is currently using the Transit Subsidy Program)
17. Attended Ft. Mead's BRAC ITWG (Internal Transportation Working Group)

Chemical Management

18. Supported "ChemShare", a chemical management program for donating/adopting excess and soon to expire chemicals to area schools. The following chemicals were donated: Silver Nitrate, HCL, Methyl Alcohol, Nitric Acid and Phosphoric Acid. Number of recipients = 3 Area schools. Estimated acquisition costs: \$1,199.06

Internal Audit

19. Two (2) minor findings and five observations- Audit date: May 25-26, 2010.
Responses completed and accepted.

Management

20. Internal incentive program to recognize employees who have demonstrated outstanding commitment to environmental stewardship concepts.
 - Golden Ground Hog Award- 3 recipients. (2 for Internal Audit, 1 for EMS awareness suggestion)
 - Eco-Tip Award- 2 recipients
21. Encouraged EMS team members to participate in SHEM/EMS monthly conference calls and EPA monthly Electronic Stewardship calls.
22. Encouraged EMS team members to take internal auditor's training. 1 team member attended the EMS Internal Auditing Course at Region3 Philadelphia.
23. Responded to incident reports for analysis and trend developing indicators.

Records and EMS documentation

- 24 Review of Legal and Other Requirements completed March 2010.
25. EP06 (Environmentally Preferable Purchasing) has been edited to include the EO 13514 requirements.

Fleet Management

26. Acquired 4 alternate fuel vehicles (AFVs) E85 Models as replacements. Maintained A fleet of 11 vehicles with 2 hybrids.
27. Have GPS units available for those on official travel.

Energy

28. Contractors Completed Advance Metering System. (energy savers)
29. Replaced USP lead/acid batteries with gel batteries. April 2010

Water

30. Water savings through a smart urinal flash redesign. Each flush is reduced to 1 quart. Purchased Jan 2010 and installed over the next several months.

Landscaping

31. Reviewed ESC Landscaping services contract and suggested several stringent requirements to contractor's annual work plan.

EMS Team Training

32. One EMS Team member attended EMS Internal Auditing Course , Jan 19-21, 2010.
33. One EMS Team member participated in the 2010 Annual EMS/SHEM workshop at Austin Texas. September 2010

Data Collection and Trend Analysis

36. Collected data for Re-Trac, an on-line waste diversion tracking system. ESC posted a 65% waste diversion rate for FY 2010.

Community Outreach

37. 45 min presentation given at the USDA Agricultural Research Service Eastern Regional Research Center in Wyndmoor, PA on 11-17-10 about the EMS of the ESC - with an emphasis on our awareness activities.