Green Port: Environmental Management System

Presentation to AAPA PR Committee Members

June 13, 2008

Port of Corpus Christi

Sarah Garza
So What Are We doing to become a green port??
Plan – Do – Check – Act

- In accordance with ISO 14001 Standard (became ISO 14001 Certified July 23, 2007)
- Management System Framework
- Goals for Improvements – Objectives & Targets
Starts with a policy...

The Four C’s
Help your PCCA & community. Remember the four C’s.

Comply with applicable federal, state, and local regulations and other commitments

Continually improve

Commit to pollution prevention

Communicate our performance to the community
How Is That Helping Us Become A Green Port?
Reducing Air Emissions...

- Preventative Maintenance
- Anti-Idling Policy – 5 minute rule
- Alternative Fuel Usage – propane, electric
- Auto Check – vehicle emissions testing quarterly
  - Identify fleet vehicles and equipment with problems
  - Identified and repaired ~ 35 “smoking” personal vehicles
Reducing Air Emissions...

- Changes in operations at Cold Storage Facility to manage ammonia emissions
- Air monitoring equipment to assist with valve repairs and change outs
- More frequent inventory evaluations
- More frequent and better maintenance to reduce purges from system
Improving Water Quality...

- Managing herbicide applications to prevent overspray
- Bulk material collection on docks prior to cleanup
- Management of storm water runoff at Bulk Terminal (98% Reduction in Pollutants)
Minimizing Wastes...

- Eliminated waste stream at Bulk Terminal operations
- Recycling – scrap metals, electrical components, batteries, lamps, cardboard, plastic, paper, used oil, used antifreeze, metal cans, plastic bottles (~650,255 lbs)
- Fuel blending and incineration of wastes
- Better waste management practices, contractor training
Reducing Spill Potential...

- EMS Spill Kits
- 100% Containment of liquid products and wastes
- No spill tolerance on public docks
Reducing Energy Consumption...

- Reduction of more than 625,000 KWH of electricity consumption at Cold Storage
- Development of plan to reduce energy consumption port wide 5% per year
Improving Contractor Performance...

- Training contractors and holding them accountable
- Providing detailed specifications for performance
Investing in Employees...

- Increased training
- Feedback from employees – ideas, suggestions
- Newsletters, bulletin boards, intranet, EMS Shirt Day
- EMS Awareness Video
- Serve on advisory teams for programs
Reaching Out to the Community...

- Presentations at public events and forums, ads in Caller Times
- Partnerships and participation in community outreach groups – Regional Air Quality Committee, Coastal Bend Bays & Estuaries Program, EPA Blue Skyways
- Encouraging other entities to improve performance
And there is still more we can do...
QUESTIONS???