



# **Green Port: Environmental Management System**

Presentation to AAPA PR Committee  
Members

June 13, 2008

Port of Corpus Christi

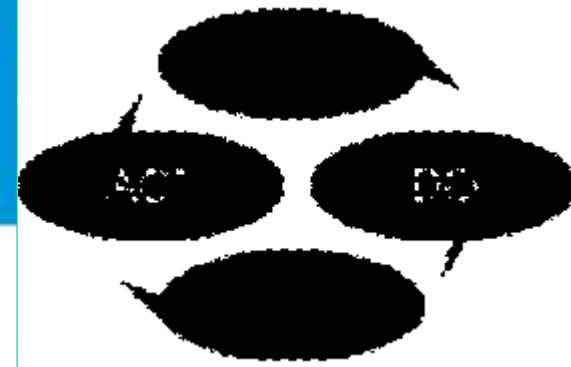
Sarah Garza

**So What Are We  
doing to become a  
green port??**





# We're ISO Certified



## Plan – Do – Check – Act

- o In accordance with ISO 14001 Standard (became ISO 14001 Certified July 23, 2007)
- o Management System Framework
- o EMS Manual, Environmental Management Programs, Best Management Practices
- o 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



# Fence Line...

Bulk Terminal

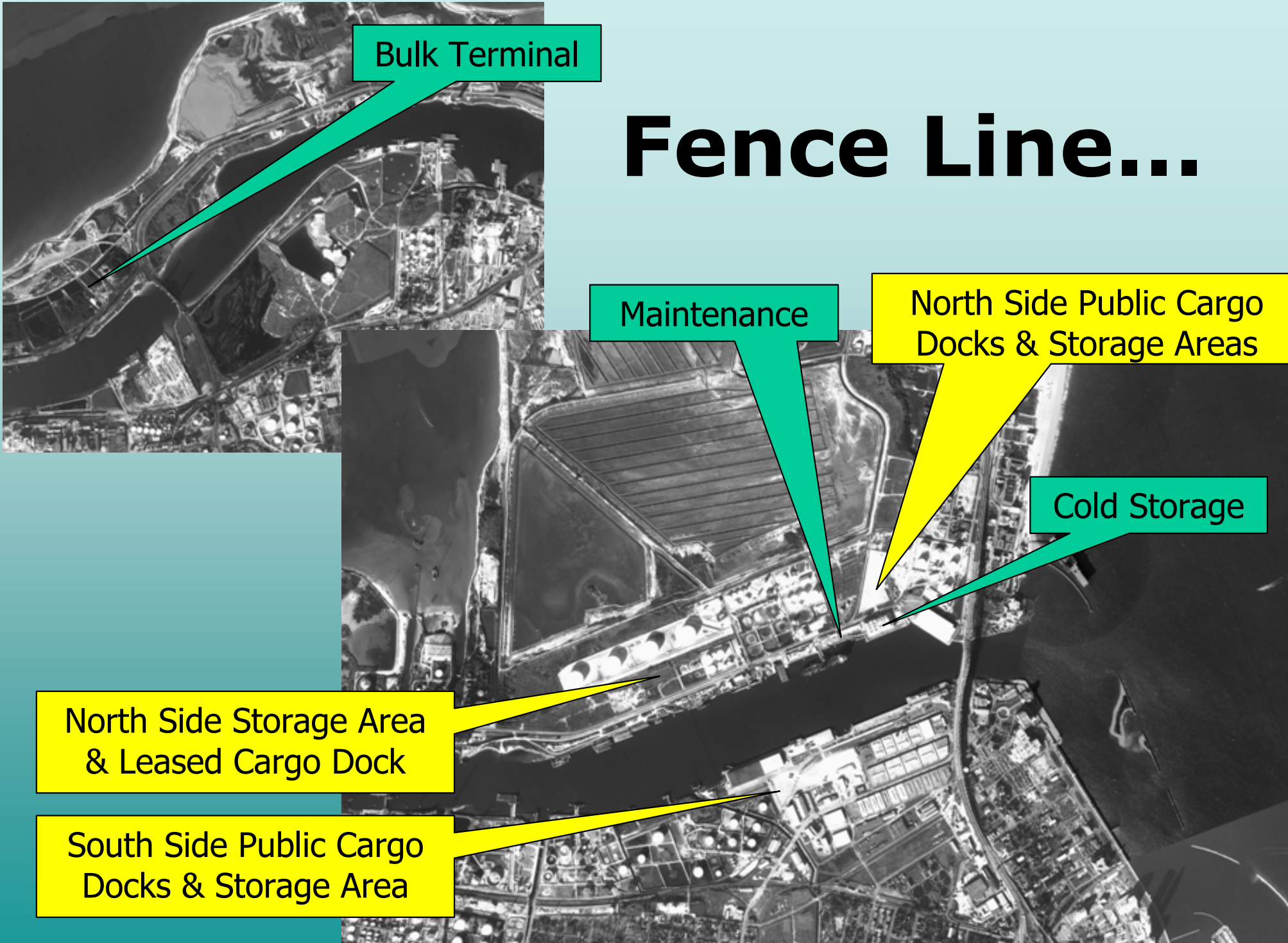
Maintenance

North Side Public Cargo  
Docks & Storage Areas

Cold Storage

North Side Storage Area  
& Leased Cargo Dock

South Side Public Cargo  
Docks & Storage Area



# How Is That Helping Us Become A Green Port?



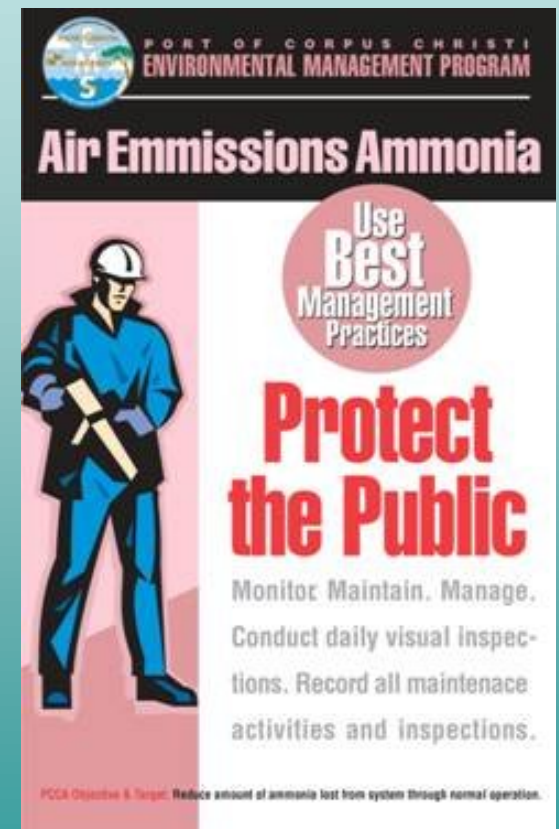
# Reducing Air Emissions...

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



# Reducing Air Emissions...

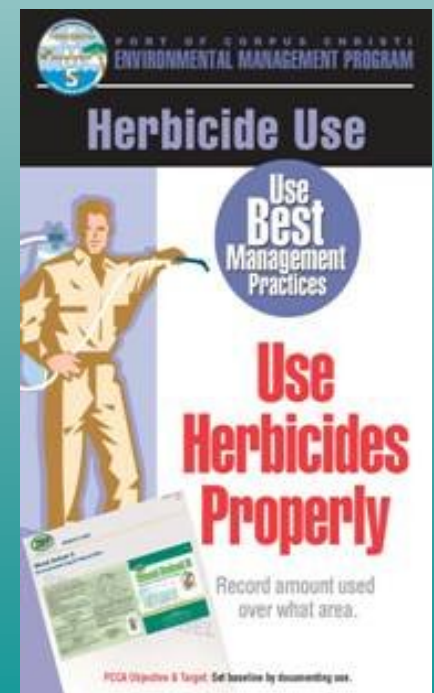
- o Changes in operations at Cold Storage Facility to manage ammonia emissions
- o Air monitoring equipment to assist with valve repairs and change outs
- o More frequent inventory evaluations
- o More frequent and better maintenance to reduce purges from system





# Improving Water Quality...

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





# Minimizing Wastes...

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

# Reducing Spill Potential...

- o EMS Spill Kits
- o 100% Containment of liquid products and wastes
- o No spill tolerance on public docks



# Reducing Energy Consumption...

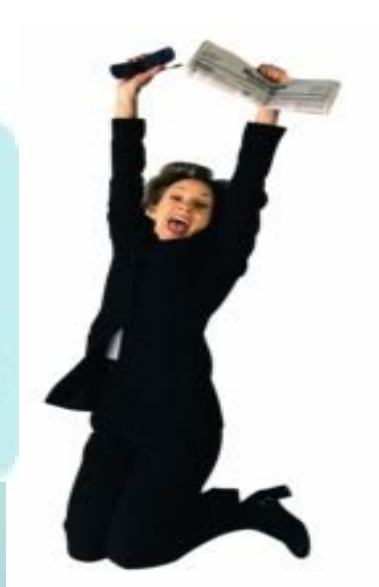
- o Reduction of more than 625,000 KWH of electricity consumption at Cold Storage
- o Development of plan to reduce energy consumption port wide 5% per year



# Improving Contractor Performance...

- o Training contractors and holding them accountable
- o Providing detailed specifications for performance





# Investing in Employees...

- o Increased training
- o Feedback from employees – ideas, suggestions
- o Newsletters, bulletin boards, intranet, EMS Shirt Day
- o EMS Awareness Video
- o Serve on advisory teams for programs

# Reaching Out to the Community...

- o Presentations at public events and forums, ads in Caller Times
- o Partnerships and participation in community outreach groups – Regional Air Quality Committee, Coastal Bend Bays & Estuaries Program, EPA Blue Skyways
- o Encouraging other entities to improve performance

**COMMUNITY**  
**Re:PORT**  
THE PORT OF CORPUS CHRISTI IN 2008

**THE PORT Seeks Balance Between Economic Objectives and Environmental and Social Responsibility**

American ports increasingly see responsible stewardship of our country's natural resources in the same light as expansion and economic vitality. Achieving a sustainable balance between economic growth and environmental responsibility to future generations has become the national goal.

**THE FUTURE**  
The Port will continue to look for new opportunities to improve EMS programs.  
The Port will deploy advanced and more energy-efficient fleet vehicles.  
The Port will create programs to reach out and include Port members in EMS programs.  
The Port will design new facilities using sustainable designs, with consideration of economic, environmental, and social impact.  
The Port will investigate the growth of clean, renewable energy opportunities and sustainable development projects.

**THE PORT**  
OF CORPUS CHRISTI

**And there is still more  
we can do...**





**QUESTIONS???**