

# *Port Commerce Department*

## Environmental Management System

William Nurthen, General Manager  
Program Support & Performance Management

Atef Ahmed, Manager  
Environmental Programs



**THE PORT AUTHORITY**  
OF NEW YORK & NEW JERSEY

# *Environmental Stewardship*

Expand and promote role as environmental steward for the NY/NJ Harbor

- Adopted as Departmental Business Objective
  - Formed Environmental Unit
  - Centralized Environmental Functions

Become a model Green Port by implementing Environmental Management System (EMS)

Protect the environment while providing economic benefits to the region



# *What is an EMS and What Does it Do*

Systematic process to align organizational and environmental objectives vertically

- Uses ISO 14001 Standard

Delineates roles and responsibilities for environmental programs

- Structured approach for managing environmental responsibilities

Provides consistent measure of environmental performance

- Find and fix root causes of potential problems
- Prevent pollution, conserve energy/natural resources

Positions organization to be proactive vs. reactive on environmental issues



## *Benefits of EMS*

- Regulators view organizations with an EMS as “proactive”
- EMS helps drive compliance by integrating environmental requirements into the overall business model
- Demonstrate leadership in environmental protection
- Enhance credibility and public image
- Reduce cost and improve efficiency
- Lower environmental liability
- Improve emergency response capability
- Increase staff awareness, competency, involvement and morale
- Establish common management framework to integrate other port objectives such as safety, security, operational efficiency and community relations.



## *Selection of Fenceline*

- Maintenance Shops
  - New Jersey Marine Terminals
  - New York Marine Terminals
- Public Berthing Area
  - New Jersey Marine Terminals
  - New York Marine Terminals
- Dredging Operations



# *Developed an Environmental Policy*

Top management & EMR defined Port Commerce Department Environmental Policy and finalized on 10/12/05.

In the Environmental Policy PCD indicated that we are committed to:

- **Operate and maintain** our facilities in ways that **prevent pollution.**
- **Evaluate and continually improve** the total **environmental effect** of our operations and activities.
- **Comply** with all environmental **laws** and **regulations.**
- **Communicate** our environmental responsibilities openly with our **employees**, customers, suppliers, stakeholders and the **community.**

For Complete copy of Port of NY&NJ Environmental Policy go to: [www.panynj.com](http://www.panynj.com), click on Seaports, click on Community and the Environment, click on Environmental Commitment and click on the active link for the Environmental Policy.



# *Basic Concepts and Phases of EMS*

Four Phases to successfully implement a formal EMS :

- Plan (Planning Phase), setting the goals of the EMS
- Do (Implementation and Operation Phase)
- Check (Checking and Corrective Action Phase)
- Act (Management Review phase)



# *Planning Phase*

The Planning Phase includes 4 Items:

- Identifying Environmental aspects of activities and determine significant impacts
- Checking legal requirements and permits that are applicable to the environmental aspects
- Setting objectives and targets
- Establishing and maintaining an Environmental Management Program (s) to achieve objectives and targets



# *Implementation and Operation Phase*

The Implementation & Operation Phase includes:

- Defining Roles and Responsibilities
- Providing essential Resources
- Providing Training Awareness & Additional training needs
- Maintaining Procedures for Internal/External Communication
- Completing Procedures for EMS Documentation & Document Control
- Identifying Operations and activities associated w/ Significant Environmental Aspects
- Completing System Procedures and Operational Controls.



# *Checking, Corrective Action and Management Review Phases*

The last two phases of the system:

## III. Checking and Corrective Action Phase:

- Monitoring and Measurements
- Non-conformance & Corrective Action
- Establish & Maintain Procedures for Control of Environmental Records
- Establish Programs for EMS Audit

## IV. Management Review Phase:

- Review EMS & ensure suitability, adequacy & Effectiveness
- Address possible need for changes to Policy, Objectives and Other Elements.