

# Port of Huntington – TriState Collaborative Geographic Initiative



# Presentation Overview

- EPA's Goals
- Port Background Information
- Why do we need an Initiative?
- Initiative Goals
- Initiative Background
- Overall Strategy
  - Enforcement
  - Compliance Assistance
  - Community Involvement

# EPA's Goals

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- By the end of tonight's meeting, we want you to fully understand the Initiative and feel meaningfully involved.
- We want to hear your feedback. How can we enhance the Initiative to better meet your needs?

# Port of Huntington - TriState



- River Mile Markers
- Waterbodies
- Port Boundary



Data Sources:  
U.S.A.C.E. River Mile Markers  
U.S. Geological Survey: Hydrography



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# Huntington Tristate Background

- Largest inland port
- 77 million tons of cargo annually
  - 60 % coal
  - 30 % petroleum/chemical products
  - 10% other products.



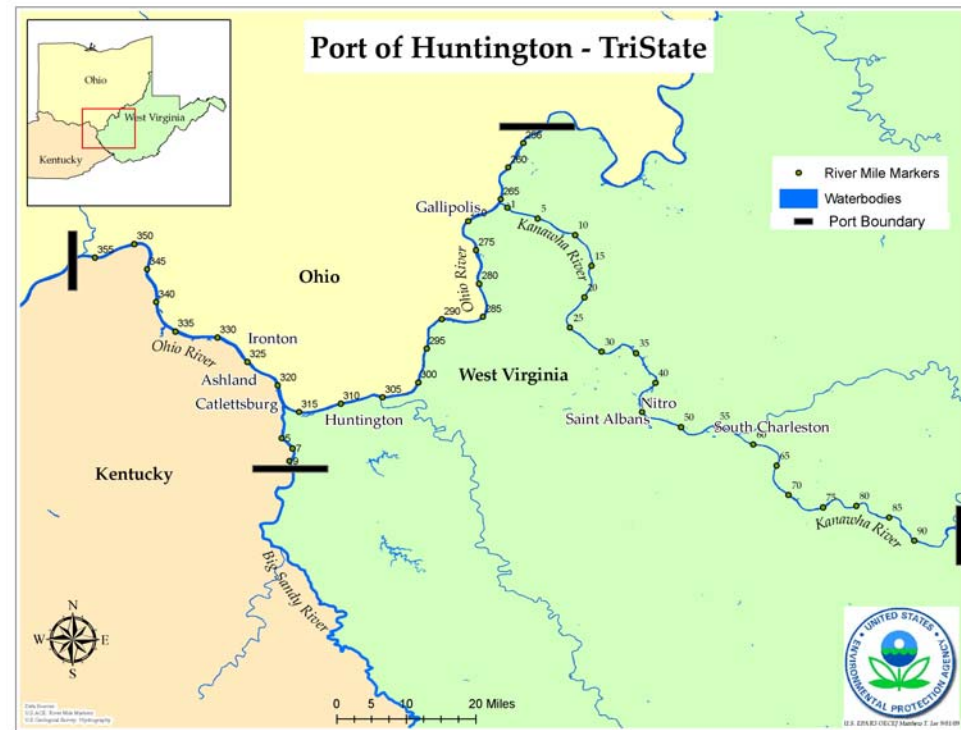
# Why do we need an Initiative?

- No central Port authority or commission
- Increasing concern over public health and environmental issues:
  - USA Today article on outdoor air quality in schools
  - 5 schools within Port recommended for Air Toxics Ambient Monitoring
  - Some areas within Port have significantly higher estimates for cancer risk than national average.



# What is a Collaborative, Geographic Initiative?

- It is collaborative:  
Works jointly with others towards a common goal by sharing knowledge, learning and building consensus.
- It is geographic:  
Focuses on a geographic area rather than political boundaries.



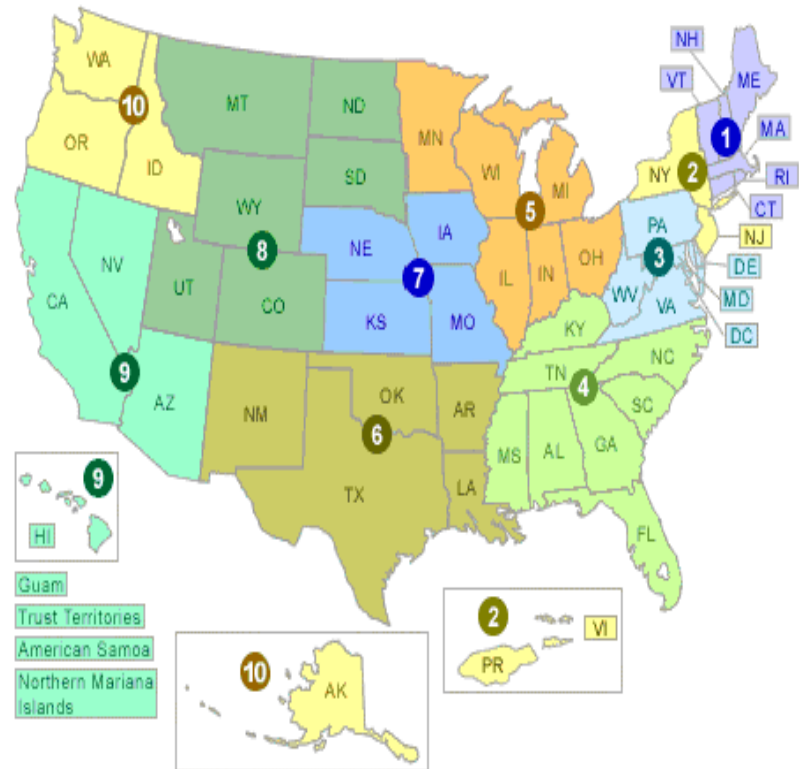
# Initiative Goals/Objectives

- Assess environmental impact of Port operations on surrounding communities
- Reduce amount of pollution being introduced into the environment
- Increase compliance with environmental regulations
- Increase understanding of environmental requirements by regulated facilities
- Increase human health benefits
- Build community capacity to protect environment and public health



# Current Project Partners

- U.S. EPA Region 3 (West Virginia)
- U.S. EPA Region 4 (Kentucky)
- U.S. EPA Region 5 (Ohio)
- U.S. EPA National Enforcement Investigations Center (NEIC)
- West Virginia Department of Environmental Protection (WVDEP)
- Additional resources provided by the other state environmental agencies
- And, ideally, **YOU!**



# Overall Strategy

- Three-pronged approach to improving human health and the environment
  - **Enforcement (Inspections)**
  - **Compliance Assistance**
  - **Community Involvement**

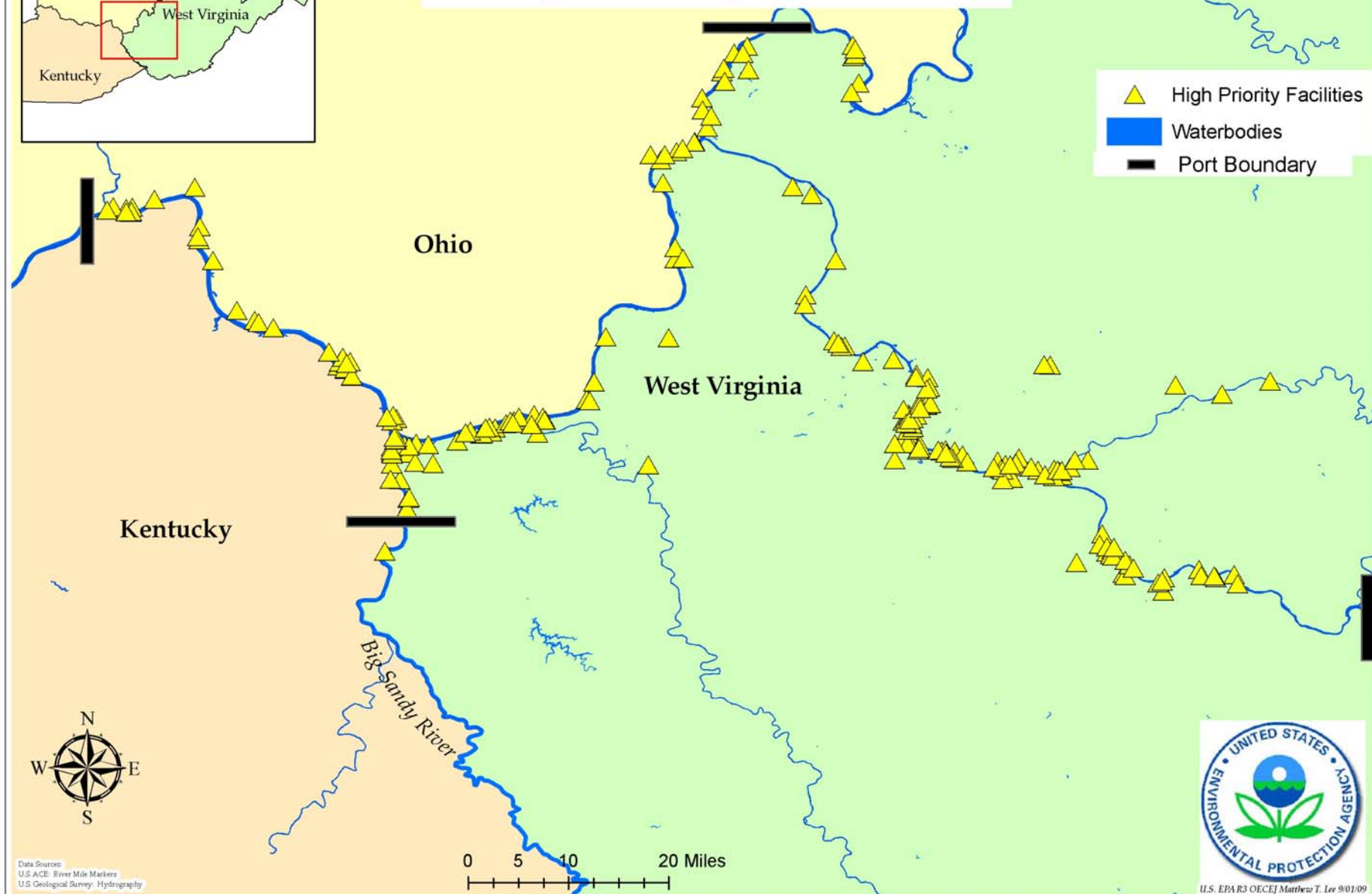
# Initiative Timeline

- Planning (Dec. 2008)
- Reconnaissance (April 2009)
- Compliance Assistance Mailings (Sept. 2009)
- Enforcement -- 1<sup>st</sup> Round of Screening Inspections - Nitro, WV (Nov. 2009)
- Compliance Assistance Workshop (April 2010)
- Community Meetings (June 2010)
- Enforcement -- 2<sup>nd</sup> Round of Screening Inspections (Summer 2010)
- Compliance Assistance Mailings to schools and hospitals (Summer 2010)
- Enforcement – Processed-based inspections (2010-2011)

# Port of Huntington - TriState High Priority Facilities



- ▲ High Priority Facilities
- Waterbodies
- Port Boundary



Data Sources:  
U.S. ACE: River Mile Markers  
U.S. Geological Survey: Hydrography

0 5 10 20 Miles



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# Reconnaissance/Information Gathering

- Purpose
  - Observe day-to-day Port activities
  - Identify areas for further investigations
- Joint Agency exercise
  - Representation from:
    - EPA Regions 3, 4 & 5
    - U.S. Coast Guard Marine Safety Unit Huntington
    - West Virginia, Kentucky, and Ohio environmental agencies
- Conducted April 27 – May 1, 2009





# Port of Huntington Tri-State Recon Areas & High Priority Facilities

● High Priority Facilities

■ Major Rivers

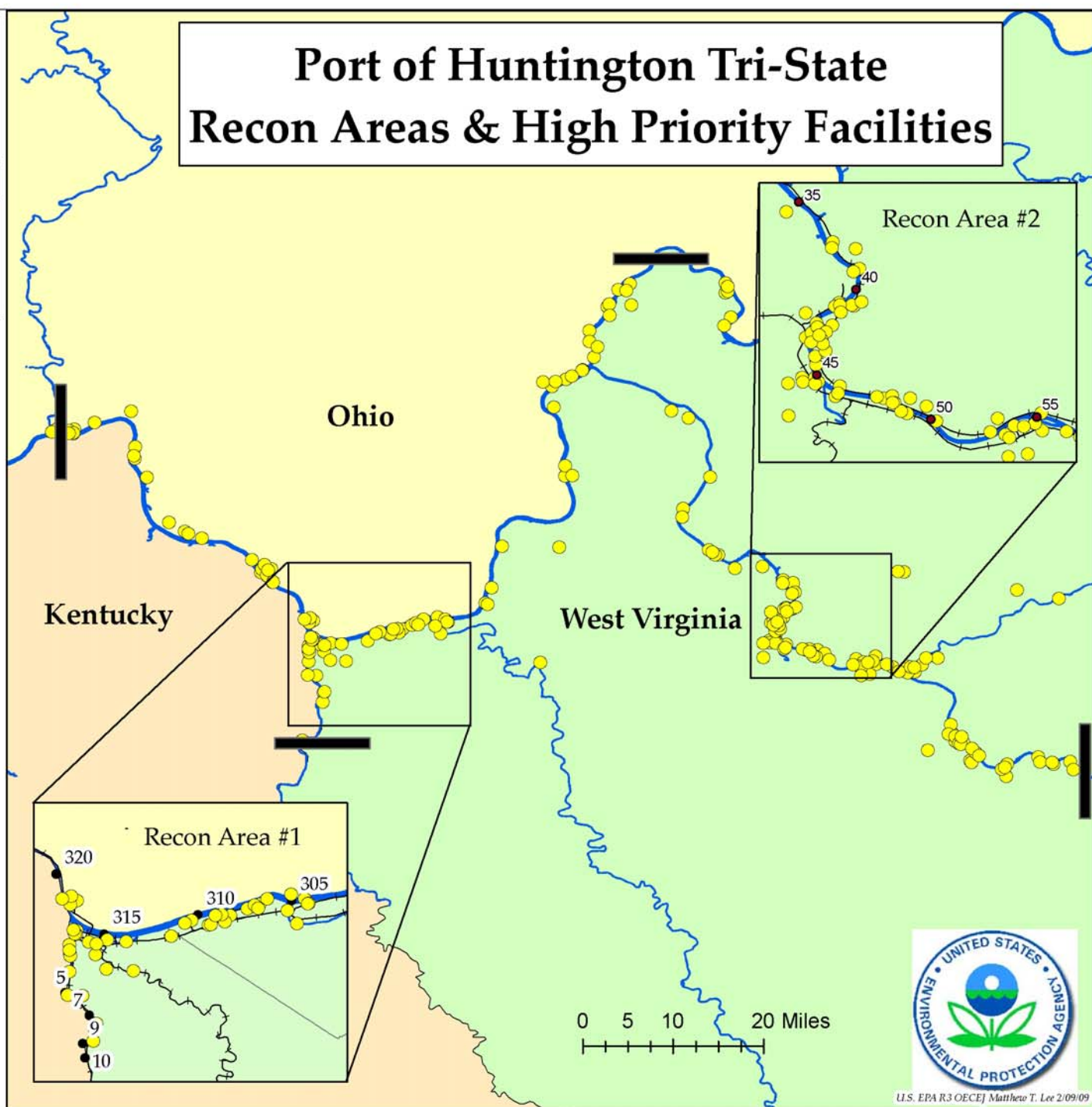
■ Ohio

■ West Virginia

■ Kentucky



Data Sources:  
U.S. Census Bureau  
U.S. EPA: OTIS Data  
U.S. Geological Survey: Hydrography



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# Recon Results

- Conducted surveillance on over 100 facilities
- Potential noncompliance found in several different media (air, water, waste)
- Findings helped shape Enforcement, Compliance Assistance and Environmental Justice strategies

# Enforcement Strategy

- Compliance Investigations
  - **Process-based multimedia Inspections at larger facilities**
    - One in each Region
  - **Multimedia Screening Inspections with single media follow-up at small/medium facilities**
    - Round 1 - Nitro, WV
    - Round 2 - True Tri-State Area

# Nitro, WV Multimedia Screening Inspections

- Conducted week of November 2, 2009
- Included multimedia inspectors from Regions 3, 4 & 5, as well as WVDEP representatives
- Multimedia Screening Inspections performed at 11 facilities
  - Sectors included: scrap and recycling facilities, chemical manufacturing, centralized wastewater treatment facilities and a transport company

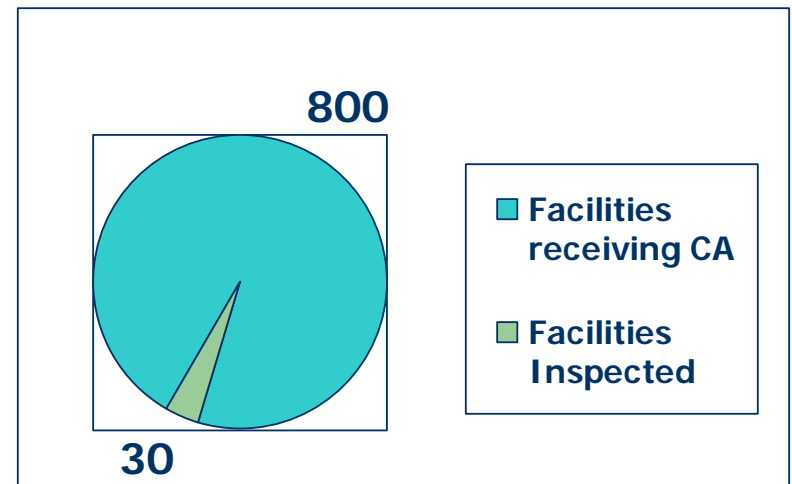
# Nitro Screening Inspections Findings

- Potential noncompliance found at 10 of 11 facilities
  - WVDEP single-media follow-up on other two facilities
- Potential multimedia (air, water & waste) noncompliance found at 8 of 11 facilities
  - stormwater & SPCC noncompliance
  - Hazardous Waste Handling Issues
  - CFC Handling Issues
  - PCB Issues
- The one facility in compliance was previously inspected by EPA Region 3 five years ago



# Compliance Assistance

- Compliance Assistance helps facilities understand and address environmental requirements
- Without compliance assistance, 96.25% of identified facilities would not be addressed by EPA
  - Their environmental issues may never be fully corrected



# Compliance Assistance Strategy

- Facilities received compliance assistance through mailings and a workshop
- 800 facilities received compliance assistance resource sheets in the mail
  - Sectors included:
    - Coal Processing
    - Shipbuilding and Repair
    - Scrap/Recycling Facilities
    - Auto Salvage Yards
    - Port Terminals and Unloading Operations
    - Stone, Clay, Glass and Ready Mix Concrete
  - Mailings sent September 2009
- Next round of mailings will address compliance assistance at schools and hospitals

# Example Fact Sheets



## PORTS Compliance Assistance Resources



### PROTECT YOUR BUSINESS. PROTECT YOUR PLANET.

The U.S. EPA helps regulated businesses and governments understand and comply with their environmental requirements by providing an array of federal and state resources.

#### National Web-Based Resources

##### Sector Profile

This webpage provides an overview of the Ports sector including improvements to environmental performance.

[www.epa.gov/sectors/sectorinfo/sectorprofiles/ports.html](http://www.epa.gov/sectors/sectorinfo/sectorprofiles/ports.html)

##### American Association of Port Authorities

This webpage details several of the port industry best practices.

[www.aapa-ports.org/Issues/content.cfm?ItemNumber=1262](http://www.aapa-ports.org/Issues/content.cfm?ItemNumber=1262)

##### The Border Center

This website details information on imports and exports regulations.

[www.bordercenter.org](http://www.bordercenter.org)

##### The American Waterways Operators

This website includes information about the industry, safety and environmental protection, and The Responsible Carrier Program.

[www.americanwaterways.com/about\\_industry/index.html](http://www.americanwaterways.com/about_industry/index.html)

##### Industrial Stormwater Tutorial

This website now offers the Industrial Stormwater Permit tutorial to assist an array of businesses including ports.

[www.pneac.org/stormwater](http://www.pneac.org/stormwater)



## COAL PROCESSING Compliance Assistance Resources



### PROTECT YOUR BUSINESS. PROTECT YOUR PLANET.

The U.S. EPA helps regulated businesses and governments understand and comply with their environmental requirements by providing an array of federal and state resources.

#### National Web-Based Resources

##### The National Mining Association

This website provides information on Federal Environmental laws impacting the industry as well as specific information pertaining to coal processing and water quality.

[www.nma.org/issues/environment/default.asp](http://www.nma.org/issues/environment/default.asp)

##### Coalbed Methane Outreach Program

The Coalbed Methane Outreach Program (CMOP) is a voluntary program whose goal is to reduce methane emissions from coal mining activities.

[www.epa.gov/cmop/index.html](http://www.epa.gov/cmop/index.html)

##### Industrial Stormwater Fact Sheet

This webpage provides industrial stormwater permitting summary for coal processing sector.

[http://www.epa.gov/npdes/pubs/sector\\_h\\_coalmines.pdf](http://www.epa.gov/npdes/pubs/sector_h_coalmines.pdf)

##### Small Business Environmental Homepage

This website serves as a resource for small businesses to access compliance information and contacts.

[www.smallbiz-enviroweb.org](http://www.smallbiz-enviroweb.org)

##### Small Business Compliance Policy

This webpage includes EPA's Policy which provides incentives for voluntarily coming into compliance.

[www.epa.gov/compliance/incentives/smallbusiness/index.html](http://www.epa.gov/compliance/incentives/smallbusiness/index.html)



# Compliance Assistance Workshop

- Held April 27, 2010 at Marshall University
- Co-sponsored by EPA Regions 3, 4 & 5 and the Huntington Waterways Association
- Over 60 industry representatives attended
- EPA inspectors provided information and resources for federal environmental regulation compliance, and economical opportunities for waste reduction.

# Environmental Justice (EJ)/ Community Involvement

- *What is environmental justice (EJ)?*
- **Environmental injustice** is...  
when a community suffers disproportionately from environmental risks or hazards
- Thus, **environmental justice** is...  
the fair treatment and meaningful involvement of all people regardless of race, color, national origin or income, with respect to the development, implementation, and enforcement of environmental laws, regulations and policies...



# Environmental Justice Addresses...

- Disproportionately overburdened communities
- Public participation in government decision-making
- Effective problem-solving collaboration
- Health disparities
- Environmental harms
- Public health risks
- Social justice
- Equity issues
- Human rights issues



# Environmental Justice (EJ)/ Community Involvement Strategy

- Public Outreach
  - Huntington Initiative Website
    - Include background on the Initiative and audience specific information.  
(<http://www.epa.gov/region03/oecej/initiatives.html>)
  - Community Vision Meetings
    - Determine most pressing concerns through meaningful involvement
      - Two Meetings (Marshall University and WV State University)
  - Huntington Initiative Fact Sheet
  - Community Resource Bulletin

# Environmental Justice (EJ)/Community Involvement Strategy

- Community Capacity Building
  - Information Sessions/Workshops
    - Driven by information gathered at Community Vision Meetings
    - Potentially: Healthy Homes, Healthy Schools/Day Care Centers, Universities, Hospitals
    - Combine with Compliance Assistance
- Partner with relevant Stakeholders
  - Local Government, Community Groups, Trade Associations, Colleges/Universities, Community Advisory Panels, etc.
  - Combine expertise and resources
- *How would you suggest we get this information out to you?*

# Moving Forward

- Process-Based Inspections at larger facilities
- 2<sup>nd</sup> Round of Screening Inspections
- 2<sup>nd</sup> Round of Compliance Assistance mailings to schools and hospitals



***What else do you think we should be doing?***