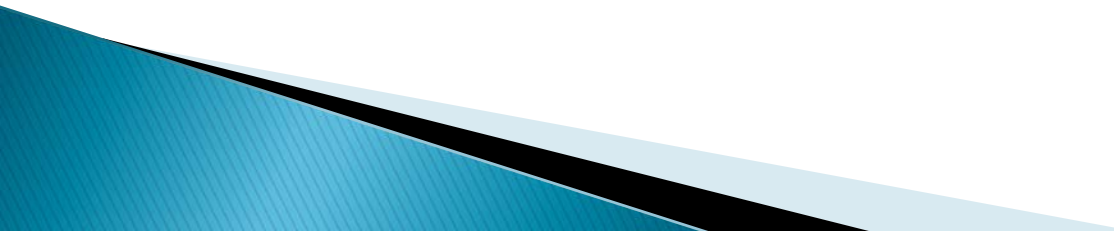


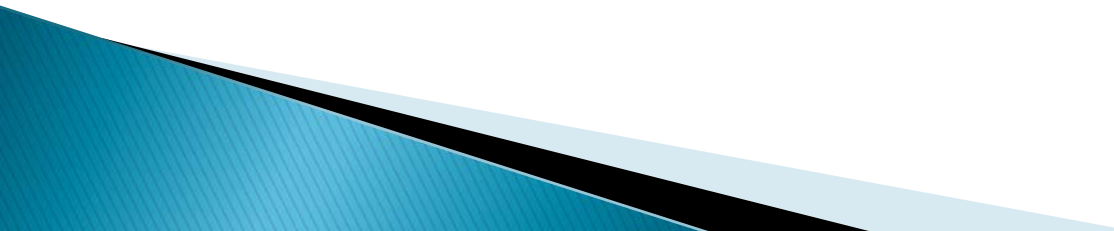
Shipbuilding and Ship Repair Environmental Stewardship Program: Environmental Metrics Initiative

NSRP Environmental Technologies Panel
Ketchikan, AK
June 24, 2009

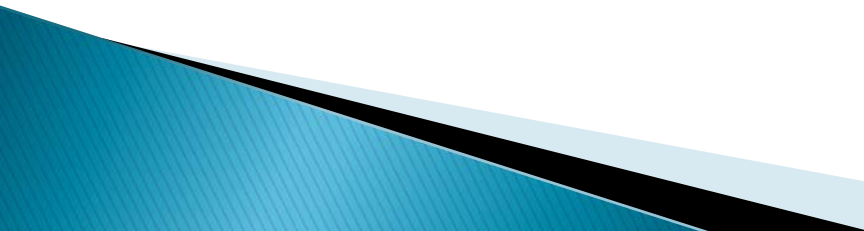
Overview

- ▶ Background
 - ▶ Environmental Metrics Initiative
 - Reporting
 - Timing
 - ▶ Next Steps
 - ▶ Questions and Discussion
- 

Background

- ▶ ASA, SCA, and member yards working together with EPA Sector Strategies Program
 - ▶ 2007–08, developed Environmental Stewardship Program
 - ▶ Decided to take step–wise approach to implementing Stewardship Program
 - ▶ 2008–09: Developed Environmental Metrics Initiative
- 

Environmental Metrics Initiative: Overview

- ▶ **Goal: Encourage and build capacity among shipyards to measure and report on key aspects of their environmental “footprint”**
 - ▶ Letter of commitment to EPA SSP and trade association
 - ▶ Selected environmental metrics reported to trade associations annually
 - ▶ Trade associations blind, aggregate and normalize data and report it publicly
 - ▶ 15 yards have signed up for program
- 

Environmental Metrics Initiative: Participating Yards

- ▶ Atlantic Marine, Jacksonville
- ▶ Austal USA
- ▶ BAE Systems, Norfolk
- ▶ BAE Systems, San Diego
- ▶ Bath Iron Works
- ▶ Bender Shipbuilding
- ▶ Bollinger Shipyards
- ▶ Electric Boat
- ▶ NASSCO
- ▶ Northrop Grumman – Avondale Operation
- ▶ Northrop Grumman – Ingalls Operation
- ▶ Northrop Grumman – Newport News
- ▶ Signal International
- ▶ Todd Pacific
- ▶ Vigor Industrial

Environmental Metrics Initiative: Reporting

- ▶ Yards will report data for:
 - PM Emissions
 - GHG Emissions
 - Hazardous Waste
 - Nonhazardous Waste
- ▶ Is EMS program in development or in place?
 - Should be based on recognized EMS format
- ▶ Description of facility stormwater BMPs
 - Brief overview of BMPs in place

Environmental Metrics Initiative: Reporting

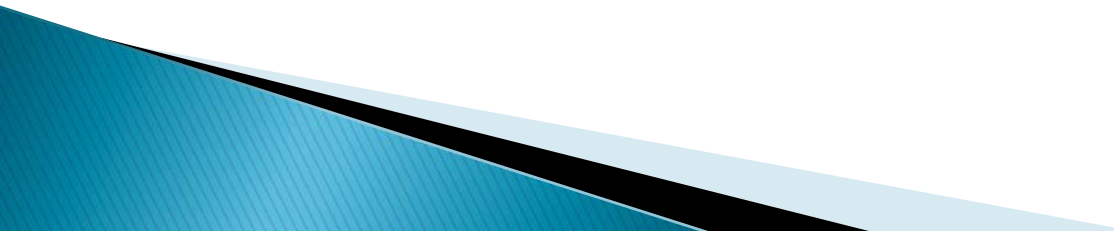
▶ Normalized Data

- After data is reported to trade associations, will be aggregated and normalized
- Workgroup decided to use OSHA man-hours worked as normalization factor for 2008 reporting
- Will also normalize based on the most recent U.S. Dept. of Commerce data on value of shipments
 - Data lags two years
 - Value of shipment of all yards, not just those in Metrics Initiative
- Decide what factor is best for future years

Environmental Metrics Initiative: Timing

- ▶ 2008 data due to trade assocs. July 1, 2009
- ▶ Trade associations will blind, aggregate and normalize data and report it to sector
- ▶ Tentative plans for recognition event in late summer 2009
 - Attendance by high-level EPA official
 - At a participating shipyard; broad participation encouraged

Next Steps

- ▶ Finalize program, report 2008 data
 - ▶ Continuous Improvement: One metric added every year for stormwater compliance, air toxics, water use
 - ▶ Refine program, encourage more yards to join
 - ▶ Develop next pieces of stewardship program
 - ▶ Eventually, have full stewardship program in place
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Reporting Template

Environmental Metrics Initiative - Reporting Sheet

Introduction

Welcome! This reporting sheet is designed for yards participating in the Shipbuilding Stewardship Program Environmental Metrics Initiative. In the following worksheets, yards will report information for the identified metrics.

Following completion of this worksheet, the yard should send this information to their respective trade association (contact information below) by July 1, 2009. The trade associations will then review the data, remove any identifiers, and aggregate it with the data submitted from other yards participating in the Environmental Metrics Initiative.

The Environmental Metrics Initiative is a program designed by yards from the American Shipbuilding Association (ASA) and the Shipbuilders Council of America (SCA), with support from the U.S. Environmental Protection Agency Sector Strategies Program, ASA, and SCA.

Please return the completed sheet to your yard's respective trade association:

American Shipbuilding Association

Stacy Ballow 202-544-8170
ballow@bci-dc.com

Shipbuilders Council of America

Ian Bennett 202-347-5462
ibennitt@dc.bjllp.com

For additional questions or comments about the Metrics Initiative, contact Shana Harbour at EPA Sector Strategies Program: 202-566-2959 or harbour.shana@epa.gov

Next: Yard
Information



Questions?

Comments?

