

BMP Manual for Oil Handling at Shipyards

Project Update

National Shipbuilding Research Program (NSRP)
Environmental Technologies Panel SP-1
Johnstown, Pennsylvania
September 30 - October 2, 2008



Oil Handling BMP Manual Overview

➤ Background

- Oil handling activities at shipyards are subject to multiple requirements:
 - USEPA
 - Spill Prevention Control & Countermeasure
 - USCG
 - Operations Manual

- Standards are performance-based and do not always offer or require specific practices

Oil Handling BMP Manual Overview

➤ Project Goal

- To present Best Management Practices (BMPS) applicable to shipyards for compliance with oil-handling requirements of the USEPA and USCG. Project will:
 - build on SPCC Guidebook (O'Brien & Gere, 2007)
 - address USGS requirements
 - give concrete examples for compliance

➤ Shipyard partners:

- BAE Systems San Diego Ship Repair
- BAE Systems Norfolk Ship Repair
- Northrop Grumman Shipbuilding - Newport News

Project Schedule

Task One: (100% complete)

Oil-Handling Activities Summary Table to NSRP Team **COMPLETE**

Questionnaire and Summary Table to Shipyard Environmental Managers

Task Two: (90% complete)

Draft Oil-Handling BMP Guidebook to NSRP Team for comments **COMPLETE (Aug 1)**

Comments from NSRP Team **No later than Jan 1**

Task Three:

Presentation and Training on BMP Guidebook at NSRP Meeting

Feb/Mar '09 Meeting
(date TBA)

Task Four:

Final BMP Guidebook to Shipyard Environmental Managers

Within 4 weeks of
Presentation

Progress Report - Task One

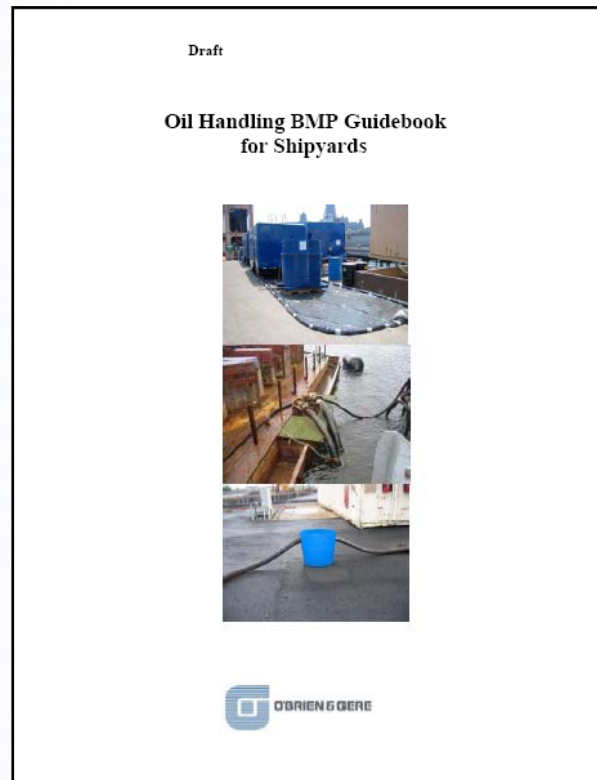
➤ Questionnaire

- Questionnaire sent April 16 and again May 19 to sixteen Environmental Managers to share challenges and best practices shipyards.
 - Responses from nine.
 - Thank you AMF, AMA, BIW, EBC, NGS-NN, NASSCO, BAE NSR, Colonna's, and PHNSY!
 - Visits to two.
 - Thank you BAE-NSR and NGS-NN!

100% complete

Progress Report - Task Two

- Working Draft of BMP Manual - Sent to Shipyard Partners August 1



**90% complete -
pending review by
NSRP Team - by
January 1**

Progress Report - Task Two

➤ Working Draft of BMP Manual

▪ Table Of Contents Topics

- 1.0 Purpose and Scope
- 2.0 Definition of Best Management Practice
- 3.0 Overview of Regulations
- 4.0 Methods of Spill Containment
- 5.0 Managing Bulk Transfer Operations
- 6.0 Materials Management
- 7.0 Management of Site Drainage and Storm Water Discharges
- 8.0 Environmental Management Systems

Progress Report - Task Two

➤ Working Draft of BMP Manual

- **Appendices**

- A Regulatory Requirements Matrix
- B Questionnaire Summary
- C Vendor Information
- D Sample Declaration of Inspection Form
- E Sample Truck Loading and Unloading Checklist
- F Sample Tank Inspection, Container Storage, and Facility Security Checklists
- G Sample Containment Area Inspection Form
- H EMS Implementation Guide for the Shipbuilding and Ship Repair Industry (USEPA)
- I Sources and References

90% complete - pending review by NSRP Team

Oil Handling BMP Manual Overview

➤ Task Three - Presentation:

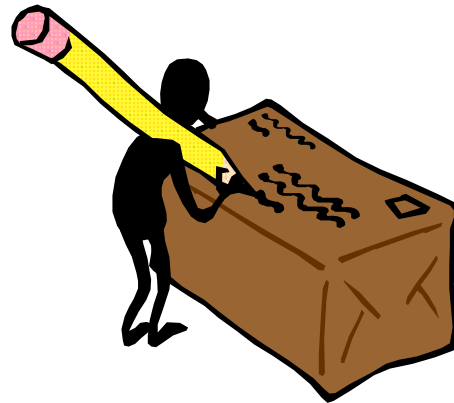
- Provide training/sharing session, scheduled for Spring 2009 NSRP Environmental Technologies Panel meeting
- Draft BMP Manual will be provided to shipyards prior to training session



Oil Handling BMP Manual Overview

➤ Task Four - Finalize BMP Manual:

- Incorporate additional ideas from training session.
- Distribute copies of final BMP Manual to shipyards



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➤ Questions?

