

BMP Manual for Oil Handling at Shipyards

Project Update

National Shipbuilding Research Program (NSRP)

Environmental Technologies Panel SP-1

Brownsville, Texas

March 5-7, 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 Newport News

Project Schedule

Task One:

a) Oil-Handling Activities Summary Table to NSRP Team March 10

b) Questionnaire and Summary Table to Shipyard Environmental Managers April 1

Task Two:

Draft Oil-Handling BMP Guidebook to NSRP Team July 11

Task Three:

Presentation and Training on BMP Guidebook at NSRP Meeting October 8

Task Four:

Final BMP Guidebook to Shipyard Environmental Managers December 2

Progress Report

➤ Task One(a) - Summary Table

- Specify and characterize types of oil handling activities
- USCG regulated or USEPA regulated
- Identify minimum requirements in tabular form

Example:

Citation	Title	Applicable Regulatory Requirements
153.305	Methods and procedures for the removal of discharged oil	Ensure the facility has the appropriate mechanical methods and sorbents for the expedient removal of discharged oil
154.300	Operations Manual: General	Describe the responsibility of personnel while conducting transfer operations
154.310	Operations Manual: Contents	Manual must include: procedures for transferring oil or hazardous material; product and cargo information; training and qualifications of persons in charge; communications systems; containment equipment information; equipment labeling information; vapor control system design; equipment inspection requirements; tank cleaning or stripping operation procedures.
154.320	Operations Manual: Amendment	None

90% complete

Progress Report

➤ Task One(b) - Questionnaire

- With shipyard partners, develop questionnaire to enable the project team to collect the following information:
 - current BMPs at shipyards
 - challenges encountered in complying with the requirements
 - new technology
 - photographs and templates
- Using questionnaire, invite NSRP shipyard Environmental Managers to share challenges and best practices - to be implemented by email, followed by phone interviews.

50% complete

Oil Handling BMP Manual Overview

➤ Task Two - Prepare BMP Manual

- Ideas shared will be evaluated by O'Brien & Gere and Shipyard Partners based on efficacy and cost.
- Solutions to unmet challenges will be sought.
- Manual will share best idea(s) for
 - containment methods and devices
 - procedures to reduce or eliminate risks

Oil Handling BMP Manual Overview

➤ Task Three - Presentation

- Provide training/sharing session at future NSRP Meeting and/or regional meetings at host shipyards
 - Alternative: One or more live meetings via phone conferencing with presentation provided electronically
- Draft BMP Manual will be provided to shipyards prior to training sessions

Oil Handling BMP Manual Overview

- Task Four - Finalize BMP Manual
 - Incorporate additional ideas from training sessions.
 - Distribute copies of final BMP Manual to shipyards

Oil Handling BMP Manual Overview

- Questions?
- Have problems or solutions to share?
- Look for your questionnaire on or around April 1...and take some pictures!