THE NATIONAL SHIPBUILDING RESEARCH PROGRAM

Contaminated Sediment Management Guide for NSRP Shipyards
Appendix 2: Shipyard Survey

U.S. DEPARTMENT OF THE NAVY
CARDEROCK DIVISION,
NAVAL SURFACE WARFARE CENTER

in cooperation with
National Steel and Shipbuilding Company
San Diego, California
**The National Shipbuilding Research Program, Contaminated Sediment Management Guide for NSRP Shipyards Appendix 2: Shipyard Survey**

**Naval Surface Warfare Center CD Code 2230-Design Integration Tools**
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<table>
<thead>
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<th>a. REPORT</th>
<th>b. ABSTRACT</th>
<th>c. THIS PAGE</th>
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## Sediment Survey Results
### November 1997

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<thead>
<tr>
<th>Question</th>
<th>Yes</th>
<th>No</th>
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<tr>
<td>Sediment Monitoring Required</td>
<td>3, 1* NPDES, CERCLA, *Navy for radionucl</td>
<td>4</td>
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<tr>
<td>Required by Type of Monitoring</td>
<td>Metals, Semi-Volatiles, Bioassay, Pesticides, PCB, TBT, PAH, Paint Chip Analysis</td>
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<td>Dredging w/in last 5-10 yrs Type</td>
<td>7</td>
<td>1</td>
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<td>Permit Required for Dredging Treatment</td>
<td>Maintenance, Homeporting Ships, Installation of Drydock USACE Dewatering Ocean Disposal, River Disposal, Upland Disposal</td>
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<tr>
<td>Treatment Disposal Methods</td>
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<tr>
<td>Any Contamination Found Type of Contaminants</td>
<td>1</td>
<td>6</td>
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<tr>
<td>% of Covered Work Areas (e.g., Roofed) (10%, 30%, 9.6%, 5%, 30%, 70%, 10-15%, 50%)</td>
<td>8</td>
<td>0</td>
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<tr>
<td>Bermed or Secondary Contained Areas</td>
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<td></td>
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<tr>
<td>Operations &amp; Processes</td>
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<tr>
<td>Welding</td>
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<td>0</td>
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<tr>
<td>Blasting</td>
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<tr>
<td>Type of Blast Media</td>
<td>Cu slag (4), Steel Grit or Shot (6), Garnet (4), Silica Sand (2), Walnut Shells (2), Al Oxide (2), Glass Bead (2), Coal Slag (3), Hydro Blasting (3)</td>
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</tr>
<tr>
<td>Painting</td>
<td>8</td>
<td>0</td>
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<tr>
<td>Primer Type</td>
<td>Zinc-Based, Epoxy</td>
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<tr>
<td>Topcoat</td>
<td>Epoxy, Polyurethane, Alkyd, Acrylic, Anti-Foulant</td>
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<tr>
<td>Plating &amp; Surface Treatment</td>
<td>5</td>
<td>3</td>
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<tr>
<td>Cleaning</td>
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<td>0</td>
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<tr>
<td>Hand Wiping</td>
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<td>5</td>
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<tr>
<td>Ultrasonic</td>
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<tr>
<td>Steam Gun Stripping</td>
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<td>7</td>
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<tr>
<td>Vapor Phase</td>
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<td>0</td>
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<tr>
<td>Vessel Cleaning</td>
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FOLLOW THE DEVELOPMENT AND ANALYZE THE IMPACT OF THE FEDERAL GUIDELINES FOR SEDIMENT MANAGEMENT N1-96-02
Shipyard Survey
(Telephone Survey)

Part A. General Facility Information

1. Date of Completion of the Questionnaire: __________________________
2. Facility Name: ___________________________________________________
3. Address: _______________________________________________________
4. Questionnaire Completed by: _____________________________________
5. Telephone No.: __________________ Fax: _________________________
6. Approximate Number of Employees at This Facility: _________________
7. Size of Shipyard:
   a. Land Area: ___________________________________________________
   b. Waterfront: _________________________________________________
8. Type of Work (Repair/New Construction): __________________________
9. Percentage of Covered Work Areas (eg., Roofed): ___________________
10. Bermed and Secondary Contained Areas. Please List Processes or Provide Percentage of Yard Bermed or Secondary-Contained: _________________

Part B. Body of Water

1. Name of Receiving Body of Water: _________________________________
2. Depth, if known: ____________________________
3. Current Speed, if Known: ____________________________
4. Beneficial Uses: _______________________________________________
5. Any Water Monitoring/Sediment Monitoring Performed: ______________
6. Any Additional Information: ________________________________

Facility Name____________________________________
Facility Name__________________________

Part C. Sediment Management

a. Is Sediment Monitoring Required by Any Federal, State, or Local Regulatory Agency? If "Yes", Please Specify:

__________________________________________________________________________

__________________________________________________________________________

__________________________________________________________________________

__________________________________________________________________________

Part D. Dredging

a. Has Your Facility Performed Any Dredging Operations Within the Last 5-10 Years? If "Yes", Please Answer Questions b. through k.

b. When?

__________________________________________________________________________

__________________________________________________________________________

__________________________________________________________________________

c. Why?

__________________________________________________________________________

__________________________________________________________________________

__________________________________________________________________________

d. Any Permits Required? Please Specify:

__________________________________________________________________________

__________________________________________________________________________

__________________________________________________________________________

e. Name of the Regulating Agency:

__________________________________________________________________________

__________________________________________________________________________

__________________________________________________________________________

f. Quantity Dredged:

__________________________________________________________________________

__________________________________________________________________________

__________________________________________________________________________
Facility Name ____________________________

g. Disposal Method (eg., Ocean, River, Stream, Upland): ____________________________________________________________
_____________________________________________________________________________________________________________
_____________________________________________________________________________________________________________
_____________________________________________________________________________________________________________
_____________________________________________________________________________________________________________

h. Any Treatment Performed? Please Specify: ____________________________________________________________
_____________________________________________________________________________________________________________
_____________________________________________________________________________________________________________
_____________________________________________________________________________________________________________
_____________________________________________________________________________________________________________

i. Any Analytical Data Available? Please Provide: ____________________________________________________________
_____________________________________________________________________________________________________________
_____________________________________________________________________________________________________________
_____________________________________________________________________________________________________________
_____________________________________________________________________________________________________________

j. Any Contamination Found? Please Specify: ____________________________________________________________
_____________________________________________________________________________________________________________
_____________________________________________________________________________________________________________
_____________________________________________________________________________________________________________
_____________________________________________________________________________________________________________

k. If Kept Confidential, Can Data Be Published In The NSRP Document? ________________________________

Part E. Shipyard Processes & Material Usage
Please "✓" the operations that are carried out at your facility.

1. Welding
   Type of Welding. Please Specify Indoor/Outdoor: ____________________________________________________________
_____________________________________________________________________________________________________________
_____________________________________________________________________________________________________________
_____________________________________________________________________________________________________________

   Potential for Reaching Pollutant Pathways? Please "✓" all applicable.
   a. Direct Discharge Pathway ____________________________________________
   b. Airborne Pathway ________________________________________________
   c. Surface Runoff Pathway __________________________________________
Facility Name__________________________________________

2. **Abrasive Blasting**
   Type of Blasting. Please Provide Approximate Quantity Per Year Usage: 
   
   Potential for Reaching Pollutant Pathways? Please “✓” all applicable.
   a. Direct Discharge Pathway
   b. Airborne Pathway
   c. Surface Runoff Pathway

3. **Painting**
   Primer. Type & Quantity: 
   Topcoat. Type & Quantity: 
   
   Potential for Reaching Pollutant Pathways? Please “✓” all applicable.
   a. Direct Discharge Pathway
   b. Airborne Pathway
   c. Surface Runoff Pathway

4. **Plating & Surface Treatment Operations**
   Potential for Reaching Pollutant Pathways? Please “✓” all applicable.
   a. Direct Discharge Pathway
   b. Airborne Pathway
   c. Surface Runoff Pathway

5. **Cleaning Operations**
   a. **Hand Wiping**
      Potential for Reaching Pollutant Pathways? Please “✓” all applicable.
      1) Direct Discharge Pathway
      2) Airborne Pathway
      3) Surface Runoff Pathway
   
   b. **Ultrasonic Cleaning**
      Potential for Reaching Pollutant Pathways? Please “✓” all applicable.
      1) Direct Discharge Pathway
      2) Airborne Pathway

NI-96-02/shipyard survey
Facility Name______________________________

3) Surface Runoff Pathway

   c. Steam Gun Stripping
      Potential for Reaching Pollutant Pathways? Please '✓' all applicable.
      1) Direct Discharge Pathway
      2) Airborne Pathway
      3) Surface Runoff Pathway

   d. Vapor Phase Cleaning
      Potential for Reaching Pollutant Pathways? Please '✓' all applicable.
      1) Direct Discharge Pathway
      2) Airborne Pathway
      3) Surface Runoff Pathway

   e. Vessel Cleaning
      Potential for Reaching Pollutant Pathways? Please '✓' all applicable.
      1) Direct Discharge Pathway
      2) Airborne Pathway
      3) Surface Runoff Pathway

   f. Other, Please Specify__________________________________________

__________________________________________

__________________________________________