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FACILITIES AND ENVIRONMENTAL EFFECTS
SURFACE PREPARATION AND COATINGS
DESIGN/PRODUCTION INTEGRATION
HUMAN RESOURCE INNOVATION
MARINE INDUSTRY STANDARDS
WELDING
INDUSTRIAL ENGINEERING
EDUCATION AND TRAINING

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N1-96-2

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

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Sediment Survey Results
November 1997

Question	Yes	No
Sediment Monitoring Required	3, 1*	4
Required by	NPDES, CERCLA, *Navy for radionucli	
Type of Monitoring	Metals, Semi-Volatiles, Bioassay, Pesticides, PCB, TBT, PAH, Paint Chip Analysis	
Dredging w/in last 5-10 yrs	7	1
Type	Maintenance, Homeporting Ships, Installation of Drydock	
Permit Required for Dredging	USACE	
Treatment	Dewatering	
Disposal Methods	Ocean Disposal, River Disposal, Upland Disposal	
Any Contamination Found	1	6
Type of Contaminants	Cu, Zn	
% of Covered Work Areas (e.g., Roofed)	(10%, 30%, 9.6%, 5%, 30%, 70%, 10-15%, 50%)	
Bermed or Secondary Contained Areas	8	0
Operations & Processes		
Welding	8	0
Blasting	8	0
Type of Blast Media	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)	
Painting	8	0
Primer Type	Zinc-Based, Epoxy	
Topcoat	Epoxy, Polyurethane, Alkyd, Acrylic, Anti-Foulant	
Plating & Surface Treatment	5	3
Cleaning		
Hand Wiping	8	0
Ultrasonic	3	5
Steam Gun Stripping	4	4
Vapor Phase	1	7
Vessel Cleaning	8	0

Facility Name_____

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_____

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: _____

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 _____

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_____
_____
_____
_____