



City of Omaha
Industrial Best Management Practices
Sector R - Ship and Boat Building and Repairing Yards
SIC Codes: 3731, 3732



Ship and Boat Building and Repairing Yards

- ♣ Use tarps to contain debris during maintenance activities
- ♣ Recycle fluids and properly dispose of waste
- ♣ Maintain a clean facility by sweeping
- ♣ Immediately clean up spills using appropriate methods
- ♣ Do not allow runoff from cleaning and painting activities

SANDING, PAINTING AND PAINT REMOVAL

- ♣ Enclose, cover, and contain painting, blasting and sanding activities.
- ♣ Cover drains, trenches, and drainage channels.
- ♣ Collect spent abrasives and store under cover to await proper disposal.
- ♣ Mix paints and solvent in designated areas away from drains, ditches, piers, and surface waters, preferably indoors or under cover.
- ♣ Keep paint and paint thinner away from traffic areas. Allow empty paint cans to dry before disposal. Recycle paint, paint thinner, and solvents.

ENGINE MAINTANCE AND REPAIRS

- ♣ Dispose of greasy rags, oil filters, air filters, batteries, spent coolant, and degreasers properly.
- ♣ Drain oil filters and other parts before disposal or recycling.
- ♣ Label and track recycling of waste material.
- ♣ Maintain a centralized waste storage area.
- ♣ Store cracked batteries in a non-leaking secondary container.
- ♣ Promptly transfer fluids to proper container; do not leave full drip pans or other open containers around the shop.
- ♣ Empty and clean drip pans and containers.
- ♣ Shipboard Water Handling and Disposal Keep process and cooling water used aboard ships separate from sanitary wastes and free from spent abrasives and paint.
- ♣ Discharge sanitary wastes from the ship that is being repaired, to the yard's sanitary system or a commercial waste disposal company.
- ♣ Use spill prevention and containment activities during transfer.
- ♣ Collect and dispose of bilge and ballast waters to a licensed waste disposal company.
- ♣ Inspect connecting hoses for leaks.

FACILITY OPERATIONS

- ♣ Prohibit uncontained spray painting, blasting or sanding activities over open water.
- ♣ Prohibit spray painting, blasting or sanding activities during windy conditions that prevent containment.
- ♣ If spills occur, stop source of spill immediately and contain the liquid. If near the water, use oil containment booms.
- ♣ Don't use emulsifier or dispersant.
- ♣ Cover spill with absorbent material.
- ♣ Keep enclosed areas well ventilated.
- ♣ Properly dispose of cleanup materials.
- ♣ Clean and maintain facility regularly.
- ♣ Sweep up debris, rather than hose, and properly dispose of waste.
- ♣ Do not pour liquid waste down floor drains, sinks, and outdoor storm drain inlets or into receiving waters.
- ♣ Keep an inventory of materials used at facility.
- ♣ Regularly inspect facility for proper implementation of control measures and containers and piping systems to maintain container integrity and detect potential leaks and failures.
- ♣ Repair problems immediately.

MATERIAL HANDLING AND STORAGE

- ♣ Store permanent tanks and containerized materials (fuels, paints, solvents, etc.) in paved, covered, contained, secure areas away from drains.
- ♣ Provide containment for the larger of either 10 percent of the volume of all containers or 110 percent of the volume of the largest tank.
- ♣ Store reactive, ignitable, or flammable liquids in compliance with local fire code.
- ♣ Use portable drip pans where needed and spill troughs for drums with taps.
- ♣ Identify potentially hazardous materials, their use, and characteristics.
- ♣ Secure and monitor materials to prevent theft and misuse.
- ♣ Control purchasing to reduce storage and handling of hazardous materials.
- ♣ Record quantity, receipt date, service life, users, and disposal routes



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PRESSURE WASHING

- ☛ Perform pressure washing only in designated, contained areas with plain water containing no detergents or additives.
- ☛ Use diagonal trenches, berms and/or sumps at marine railways.
- ☛ Use solid decking, gutters, and sumps at lift platforms and decks to contain and collect washwater for treatment, solids removal and possible reuse.

DRYDOCKING MAINTENANCE AND DRY-DOCKING

- ☛ Hang plastic barriers from flying bridge of the drydock, from bow or stern of the vessel, or from temporary structures and place beneath hull and between hull and drydock walls for containment.
- ☛ Weight bottom edge of containment tarps during a light breeze.
- ☛ Cover open areas between decks when sandblasting (railings, scuppers, freeing ports, ladders, doorways, etc.).
- ☛ Sweep accessible areas of drydock to remove debris before flooding. Clean rest of dock after vessel is removed and the dock is raised. Collect any washwater used and treat to remove solids and potential metals.
- ☛ Nondrydock Containment Hang tarps from the boat, fixed, or floating platforms and place under boats to reduce wind-blown pollutants and collect waste.
- ☛ When work is done in water, prevent blast material or paint overspray from contacting stormwater or receiving water.
- ☛ Pave or tarp surfaces under railways and clean before incoming flooding.

TRAINING

- ☛ All employees shall be trained in the following areas and on BMPs in the SWMP at least once per year.
- ☛ Proper washing procedures.
- ☛ Proper disposal practices for all materials.
- ☛ Procedures for storage and inspection items.
- ☛ Proper filling and transfer procedures.
- ☛ Spill response
- ☛ Good housekeeping
- ☛ Material management practices
- ☛ Procedures for equipment and container washing.

INSPECTIONS

- ☛ Conduct an inspection of the facility at least quarterly.
- ☛ Complete the storm water BMP checklist.
- ☛ Immediately inspect all vehicles upon arrival for leaks.
- ☛ Look for signs of leakage quarterly.
- ☛ Inspect all equipment containing oily parts, hydraulic fluids, or any other type of fluids.
- ☛ All liquid storage areas, including antifreeze, oil, brake, transmission fluid, etc.
- ☛ Review BMPs after each inspection and modify them and the SWPPP or SWMP as needed.

STORM WATER POLLUTION PREVENTION PLAN (SWPPP) OR STORM WATER MANAGEMENT PLAN (SWMP)

- ☛ Develop and implement a SWPPP or SWMP.
- ☛ All regulated facilities must submit a Notice of Intent (NOI) to NDEQ.



If spills occur:

- ☛ Stop the source of the spill immediately.
- ☛ Contain the liquid until cleanup is complete.
- ☛ Deploy oil containment booms if the spill may reach the street or waterways.
- ☛ Cover the spill with absorbent material.
- ☛ Keep the area well ventilated.
- ☛ Dispose of clean-up materials properly.
- ☛ Do not use an emulsifier or dispersant.



Contacts

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