

Best Management Practices for The Port Angeles Boatyard

Boatyard Contact

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Port of Port Angeles Contact

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Spill Response

Report oil and chemical spills to:

Harbor Master Office at **(360)-457-4505**

Boat Yard staff at **(360) 452-4444**

After-Hours, Port Security **(360) 417-1909**



Port of Port Angeles

338 W. First Street

Port Angeles, WA 98362

(360) 457-8527

www.portofpa.com

Background

These Best Management Practices (BMPs) are designed to help prevent air, water and soil contamination that can result from maintenance and repair activities associated with boats/vessels. All boat/vessel owners and independent contractors performing work on boats/vessels in the Port of Port Angeles Boatyard facility shall comply with these BMPs. Copies of this document are located at the Boatyard Office.

As a user of the Port Angeles Boatyard (Facility) you are responsible for the work area adjacent to your vessel/boat and for the actions of anyone working on your vessel/boat. Please keep the work area in the boatyard, and floats clean, safe and orderly.

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1. General

These BMPs are posted at the Boatyard Office. Users of the boatyard and travel lift must check in at the Boatyard Office to receive instructions and Best Management Practices before first using the facilities. Questions about these BMPs should be brought to the Boatyard Office.

Any boatyard or boat haven user who sees another individual violating these BMPs is encouraged to report the violation to the Boatyard Office staff or Port of Port of Port Angeles staff member as soon as possible.

2. Operational Source Control BMPs

1. **Ground tarps** must be used at all times in the boatyard to collect particles, oils, grits, dusts, flakes, chips, drips, sediments, debris and other solids generated during boat or vessel maintenance. These tarps should be swept or vacuumed daily and solids disposed of in the covered facility trash dumpsters. Solids shall be kept as dry as possible during collection and shall not be washed into surface water, sanitary sewer, or into the facility stormwater collection system.
 - Keep tarps spread evenly under your boat/vessel throughout the workday.
 - Tarps with holes or tears shall be replaced or repaired.
2. **Pressure Washing** and general boat/vessel washing is only allowed at the boatyard pressure washing facility. The onsite facility pressure washer must be used, when washing boats/vessels. Boatyard users may not use their own pressure washing equipment.
3. **A vacuum sander** or rotary tool meeting minimum performance standards* shall be used for all paint removal where a sander is appropriate. Non-vacuum sanders and grinders are prohibited unless the boat/vessel is completely encapsulated. No dust/particles shall escape encapsulation containment structure. All solids generated during boat/vessel sanding/grinding shall be vacuumed or swept up before the containment structure is removed. All used sandpaper and sanding discs must be picked up and disposed of in the covered facility trash dumpsters.

* Minimum Performance Standards for vacuum sander:

Sander:

- 98% dust extraction
- Suitable for lead abatement
- Electric or air powered

Vacuum:

- Static water lift = 60 inches minimum
- Air flow = 116 cfs minimum
- Power = 900 watts minimum
- Filter= 1 micron cartridge minimum, recommended filtration – 5 micron bag filter, plus a 1 micron cartridge filter, plus a 0.5 micron filter



4. **Spray painting** is not allowed in the boatyard or boatyard building. Paint rollers or brush painting only.
5. **No sand blasting** will be done outside. A complete encapsulation structure must be provided. Spray-painting and sand blasting is prohibited during windy conditions that make containment ineffective.
6. **Paints and solvents** shall be used in such a manner as to prevent their release into the environment and entry into waters of the facility. Drip pans, drop cloths, ground tarps, tarpaulins or other protective devices shall be used during surface preparation, paint and solvent transfer, paint mixing, and application unless completely enclosed in a building.
 - Paints containing tributyltin are prohibited from use on any vessel less than 25 meters in length (82 feet) except as applied by a licensed applicator for the painting of aluminum hulls of a vessel that is less than 25 meters in length, and for the painting of outboard motors and outdrives of vessels less than 25 meters in length. Only persons with a current Washington State Department of Agriculture pesticide applicator's license may purchase, handle and apply tributyltin.
 - Dispose of all paint cans, paint containers, brushes, sleeves, roller pans, rags, and all other used materials into the proper waste receptacles.
7. **Sacrificial Anode (Zincs)** used as sacrificial anodes shall not be disposed of into surface waters of the facility or the Port Angeles Harbor. Spent zincs shall be stored in a covered container and be recycled for their material value. Boat/vessel owners and users of the boat yard may recycle their own used zincs or place them in the 55 gallon steel drum located inside the boat yard building.
8. **Solid chemical products**, chemical solutions, paints, oils, solvents, acids, caustic solutions and waste materials, including used batteries and lead and copper waste, shall be stored under cover on an impervious surface.
 - Drip pans, tarps or other devices shall be used during the transferring of oil, solvents, paints, contaminated bilge water, and during paint mixing, ie. pumps, spigots, and cover funnels.

3. In-Water Vessel Maintenance and Repair BMPs

1. Major repair, modifications, surface preparation or coating of any portion of a boat's or vessel's **hull** while the vessel is afloat is prohibited. If this work is necessary, then the boat/vessel shall be hauled out into the boatyard.

In-Water Maintenance and Repair Conditions:

- Repairs, modifications, surface preparation, or coating of topside or superstructure shall be limited to 25% of the topside or superstructure surface where the deck composes one collection surface.



- When stripping, sanding, scraping, painting, coating and/or varnishing any deck or superstructure of a boat/vessel in-water, all particles, oils, grits, dusts, flakes, chips, drips, sediments, debris and other solids shall be collected and managed to prevent their release into the environment and entry to the surface waters of the facility.
- Drop cloths, tarps, tarpaulins, drapes, shrouding or other protective devices shall be securely fastened between various portions of the boat/vessel or between the boat/vessel and the dock, pier, boathouse, bulkhead or shoreline to collect all such materials.
- The cleanup of all collected materials shall be conducted daily.
- Painting of the hull surface over water is prohibited except for minor touchup, such as the boat/vessel numbers, with non-metallic paints. When painting decks or superstructure, paint cans shall be placed in a drip pan on top of a drop cloth or tarpaulin. Paints and solvents shall only be mixed at secure locations onshore or onboard a boat/vessel. Paints and solvents shall not be mixed on floats.

4. Bilge, Sewage and Gray Water Management BMPs

1. **Discharge of sewage** (including discharges from the boat's or vessel's galley) to the surface waters of the facility is prohibited. Sewage pump-out facilities are available at the fuel dock.
2. **Oil and contaminated bilge water** shall not be discharged to the surface waters of the facility, sanitary sewer or stormwater system. Information on commercial contractors providing oily/contaminated water pump-out services may be available through the use of a Dex[®] Official Directory or The Local Pages of Washington LLC, Directory.
 - Hydraulic fluids, oily wastes and petroleum products shall not be discharged to the surface waters of the facility, sanitary sewer or stormwater system.
 - Bilge water discharges shall not cause any visible sheen in the surface waters of the facility.
 - Maintain automatic bilge pumps in a manner that will prevent waste material from being pumped automatically into surface water.
 - Bilge waters shall not be discharged to the surface waters of the facility if solvents, detergents, emulsifying agents or dispersants have been added to the bilge. If a boat/vessel is moved prior to pumping out the bilge, absorbent pads shall be used to prevent the accidental discharge of oils.

5. Spill Prevention and Response BMPs

5.1 Spill Prevention

1. Promptly repair or replace all leaking connections, pipes, hoses, valves, or other equipment objects that can contaminate stormwater.
2. Use drip pans to collect leaks and spills from equipment such as cranes, industrial parts, trucks, and other vehicles that are stored outside. After a spill or leak is collected in an uncovered area, empty drip pan immediately.
3. For the storage of liquids use containers, such as steel and plastic drums, that are rigid and durable, corrosion resistant to the weather and fluid content, non-absorbent, water tight, rodent-proof, and equipped with a close fitting cover.
4. Store cracked batteries in a covered secondary container.

5.2 Spill Response

In case a spill is observed, a facility user shall:

- Stop the source of the spill immediately.
- Shut of all ignition sources in the area.
- Notify facility staff at (360) 452-4444, Harbor Master Office at (360-457-4505) or after-hours notify Port Security at (360) 417-1909.
- Contain the spill/liquid.
- Do not use emulsifier or dispersant.
- **Spill Response Equipment** is located in the cabinet located at the center of the boatyard. Cover spill with absorbent material such as kitty litter (especially for chemical spills), or oil absorbent pads. Do not use straw. Deploy oil containment booms if the spill may reach the water or is in the water.
- Paint and solvent spills shall be treated as oil spills and shall be prevented from reaching storm drains or deck drains and subsequent discharge into the surface water of the facility.
- Dispose of clean-up materials in a manner approved by applicable regulations or regulatory agencies.

6. Waste Disposal and Used Oil Recycling BMPs

1. Trash (**Not** Dangerous Waste, Hazardous Substances or Used/Waste Oil) generated by users of the facility should be placed in dumpsters located around the facility. The facility dumpsters may not be used for disposal of any non-boating materials generated off site.
2. Dumpsters located in the facility shall not be used for disposal of unused or waste paints, solvents, oils, antifreeze, chemicals, pesticides, dangerous wastes or similar materials. Dry, empty containers may be disposed of in the dumpsters. Paint cans must be completely dry before being placed in trash dumpsters.
3. Dumpsters are provided throughout the facility for the collection of boating generated refuse. All appropriate trash will be deposited in these containers. No garbage, trash, oil, fuel, debris, or other material, liquid or solid, shall be deposited in the water, on Port facility land, or on any floats or piers.
4. Abandoning wastes from on or off site on Port property is prohibited.
5. Boat/vessel owners and contractors shall be responsible for disposing of wastes such as fuels, paints, thinners, solvents, liquid epoxy resins, or other volatile or hazardous substances, dangerous wastes or debris. They must be disposed of in a manner approved by applicable regulations or regulatory agencies. Questions? Call Hazardous Substance Info Office: 1-800-633-7585; Department of Ecology Hotline: 1-800-732-9253
6. Used engine oil can be disposed of at receptacles located in the West Boat Haven Parking Lot and the East Boat Haven Parking Lot. These receptacles shall be used for the disposal of used oil only. Used oil is recycled. Gas and other flammable materials, paint thinners, antifreeze, oily bilge water or any other products or materials must not be disposed of in these containers.
7. Covers on dumpsters shall remain closed except during the process of actual trash disposal in order to minimize rainwater entry.

7. Port of Port Angeles and Boat Haven Agent Personnel (BMPs)

These BMPs are for Port and Boat Haven Agent personnel who regularly work in and around the boatyard.

1. Pressure washing water shall not be discharged to the surface waters of the facility.
2. Prior to discharging any stormwater from the pressure wash pad to surface waters of the facility, the pad shall be cleaned of all debris, paint waste, sludge and other solids. Then the entire pad shall be pressure washed into the catch basin and the catch basin cleaned of all debris and other solids.
3. Sweep paved areas regularly as needed to collect and dispose of dust and debris that could contaminate stormwater. Do not hose down pollutants from any area to the ground, storm drain, conveyance ditch, or receiving water.
4. Personnel should report leaks/spills occurring from boat haven and boat yard user's boats/vessels or Port equipment to Boatyard staff at **(360) 452-4444**, Harbor Masters Office **(360-457-4505)** or after-hours notify Port Security at **(360) 417-1909**. Action should be taken to stop or contain the spill as outlined in Section 5.2 (Spill Response) of this document.
5. Personnel are encouraged to point out to the Harbor Master or Port staff areas where facility environmental practices might be improved.