



SHILSHOLE BAY MARINA

Best Management Practices



The Port of Seattle and Shilshole Bay Marina are committed to preserving and enhancing the environment through proper management of all activities that occur at this facility. Given this commitment and in accordance with the Department of Ecology rules, United States Coast Guard regulations, and the Federal Clean Water Act, we have established these Best Management Practices in the hope that they will ensure the continued safekeeping of our harbor and marine environment. Marina staff members are available to assist customers 24 hours/day, 7 days/week. Shilshole Bay Marina has been named an “EnviroStar Business”, earning the highest five-star rating for preventing pollution and reducing hazardous waste.

I. Bilge Water Management and Used Oil Disposal

Oily bilge water that is not contaminated by soaps, cleaners or engine coolant and is less than 50 gallons may be pumped via the bilge pump located at the end of the Dock H free of charge 24 hours/day. For quantities over 50 gallons, we request that the boat owner contact a private company to remove the bilge water. Please contact the Marina Office on VHF Channel 17 for access to the bilge pump out station. See contact information at the end of this document.

- The discharge of contaminated bilge, ballast, or any water with an oily sheen is illegal. Do not discharge bilge water that is contaminated with oil, detergents, and engine coolant or bilge cleaners. Oily discharges are toxic to marine life and the fine for discharging oil from your bilge can be as high as \$25,000 per day/per violation. Use oil absorbent bilge pads or pillows in your vessel’s bilge to soak up oil and fuel.
- To prevent contamination of bilge water, do not drain oil into bilge. Fit a tray underneath the engine to collect drips. Use pads in the pan to make clean up easier. Keep the bilge area as dry as possible. Fix all fluid leaks in a timely fashion. Inspect fluid lines and hoses for chaffing, wear and general deterioration. Clean bilge areas after engine maintenance work. When changing engine oil, wipe up any spills.
- Dispose of oil soaked absorbents when they are fully absorbed by wrapping in newspaper and then double wrapping in plastic and placing in the trash. The staff at the marina can also handle disposal of oil filters.
- Keep engines tuned and operating at peak efficiency. Keep the use of engine cleaners to a minimum.
- Oil recycling stations are located in several convenient locations in the marina and are free of charge to moorage customers. Oil should be free of contaminants such as soaps, degreasers, and water for recycling purposes. Please contact the Marina Office or call VHF Channel 17 for proper disposal instructions.

II. Fueling Practices (Shilshole Bay Marina)

A full-service fuel station is located at the end of Dock H and is normally open 7 days a week from 9:00 AM to 4:30 PM, except in the Summer when the hours are from 8:00 AM to 8:00 PM.

- All fueling must take place at the fuel pier. Avoid topping off your fuel tanks. Estimate the amount of fuel needed prior to filling your tank to prevent overfilling. Always have absorbent materials on hand and at the ready before fueling. Catch any spills with an absorbent pad or container. Do not use detergents on fuel/oil spilled in the water. Detergents disperse spills, but do not eliminate them and the combination is more harmful to the environment than the fuel/oil alone. Never leave fuel nozzles unattended.
- Oil absorbent pads are available for purchase at the fuel dock store.

Notice to Boaters: Most diesel engines can run Biodiesel with little or no modification and your engine will run cleaner and with less wear and tear in the process. Biodiesel is Available at Shilshole Bay Fuel dock.



SHILSHOLE BAY MARINA

Best Management Practices



III. Hazardous Chemicals, Cleaners and Wastes

Shilshole Bay Marina will provide for the proper disposal of your vessel's hazardous waste. Contact the Marina staff on VHF Channel 17 or 206.601.4089 for disposal. 24-hour service is available. For commercial vessels, a list of disposal service providers is available from the King County Yellow Book Waste Directory: <http://www.govlink.org/hazwaste/business/wastedirectory/>

- Hazardous or flammable chemical/materials are not allowed to be stored on the dock. Materials stored on the vessel should be in labeled containers with tight fitting lids, and stored under cover, and inside secondary containment. Try not to store hazardous or flammable materials on the vessel in case of a fire or sinking vessel.
- Disposal of used oil, antifreeze, paints, solvents, varnishes, gas cylinders, preservatives and batteries in the garbage is prohibited. These materials are not to be discharged to the sanitary sewer or to marine waters. Do not dispose of these wastes in the Marina dumpsters and do not leave these wastes on the dock or in the dumpster areas. Call us and we will assist you with proper disposal.

IV. Spill Prevention and Response

Should a spill occur on or from your vessel, immediately stop the spill or leakage source and contain the spill. Report spills into the water immediately to the U.S. Coast Guard National Response Center at 1-800-424-8802 and the Department of Ecology at 1-800-OILS-911 or 1-800 258-5990. Please also notify the Shilshole Marina Office on VHF Channel 17 or 206.601.4089. Have a supply of absorbent materials on board your vessel. Used absorbent materials should be wrapped in newspaper, double wrapped in plastic and disposed of in the trash dumpster.

- Do not use detergents or soaps to clean up spills. Oil and detergents are toxic to fish and other marine life. Do not use detergents on fuel/oil spilled in the water. Detergents disperse spills, but do not eliminate them and the combination is more harmful to the environment than the fuel/oil alone.
- Clean up any spills on dock areas and dispose of wastes properly.
- Immediately repair or replace leaking connections, valves, pipes, hoses, and equipment that can result in the contamination of stormwater.

V. Solid Waste

Trash dumpsters and recycling containers for aluminum cans, glass, newspaper, tin and some plastics are available near the head of each dock in the recycling/garbage areas. This service is available 24 hours/day and at no cost to the boater. Aluminum other than cans, bronze, brass and stainless steel are recycled by the Liveaboard Association. Contact list is available at the end of this document. A compost "worm bin" is located next to M-5 restrooms for recycling of kitchen scrapes or newspaper. It is prohibited to throw any garbage into the water or on the land.

Notice to Boaters: A treaty known as the Marine Pollution Act (MARPOL) specifically prohibits the dumping of any plastics from any vessel anywhere in the ocean, or in our navigable waters, and restricts the dumping of all other types of refuse from boats.

If your boat is over 40' you are required by MARPOL to have a written waste management plan onboard. It must contain – name of the vessel; person in charge and; a short description of what you plan to do with your waste.

The Coast Guard requires all boats over 26 feet to display the MARPOL placard in a visible location.

VI. Sewage and Gray Water Management

Sewage pump out facilities and porta-potty discharge stations are located at the end of the Dock H and the northwest face of Dock A along the seawall and are available at no cost to all customers 24 hours/day. Shore-side restrooms, showers and laundry facilities are available for use 24-hours, 7 days per week. We encourage the use of shore-side facilities to reduce gray water generation. Pet waste scoop dispensers are located throughout the facility.

- The discharge of sewage or black water is prohibited. Pump-out facilities and port-a-potty discharge stations are located at the end of the Dock H and the northwest face of Dock A. Effective January 1, 2004, the use of Marine Sanitation Device (MSD) I and MSD II will not be allowed while a vessel is moored or navigating within the Marina. See definitions of Marine Sanitation Devices below.
- Pet waste may be a substantial source of fecal contamination to the waters of Shilshole Bay. All pet waste must be promptly removed and properly disposed of in the garbage.
- Gray water discharge from sinks, dishwasher, laundry and showers may be harmful to aquatic life within the marina and contains bacteria in sufficient quantities to be a public health concern. Vessel owners are encouraged to utilize: **a)** a pump out service (see marina office for references), **b)** contain gray water and use self pump out stations located at Dock H and Dock A in the marina, or **c)** use shore side facilities located throughout the marina. Showers are available shore side. Boaters are encouraged to minimize the generation of gray water onboard and to utilize land side facilities. If using onboard showers, boaters should contain the gray water and dispose of it at the pump out stations.
- The discharge of laundry water from a commercial vessel is prohibited. Laundry facilities are provided shore side for commercial and recreational vessels.
- Use sink screens or strainers and dispose of strained waste in the garbage.

Notice to Boaters: Baking soda, vinegar, lemon juice and vegetable oil are far less harmful than conventional cleaning products; however, they are still foreign elements to the marine environment and should be treated as such. Use minimal amount needed to do the job and as practical, do not discharge into the water.

VII. Repair and Maintenance Activity

In-Water Hull Cleaning

The metals in the paint wastes generated by in-water hull cleaning can adversely impact the water quality, aquatic organisms and sediment quality. A full service boat yard and engine repair facility are located at the south end of the Shilshole Bay Marina and operated year round. Extensive repair work and all bottom cleaning must occur in a commercially permitted boatyard or shipyard.

- Washington State Department of Ecology and the Department of Natural Resources have determined that cleaning of vessels painted with sloughing and ablative anti-fouling paints and tin compounds (soluble "soft paints") while the vessel is afloat is prohibited by state law. Regulations also prohibit the use of mechanical or hydraulic devices for in-water hull cleaning. The April 1999 Washington State Department of Natural Resources Environmental Advisory for commercial divers is posted at the marina and available in the Shilshole Bay Marina office. This advisory restricts the cleaning of vessels with "soft paints" but it does not restrict in-water hull maintenance such as propeller, rudder, or prop shaft repair and hull surveys following charter service. Sacrificial anode zinc replacement is also allowed provided the worn zinc is recycled.
- Due to the potential for pollution, we strongly recommend that all hull cleaning be conducted in a permitted boatyard where contaminants are treated and disposed of properly.

Minor Repairs and Maintenance – Slip-Side Maintenance

- Painting, scraping and refinishing of boats in the water is limited to minor touch-ups. Minor touch-ups include a small area on the superstructure, deck and hull above the waterline that requires repair for mostly cosmetic purposes. Extensive repair work and bottom cleaning must occur in a commercially permitted boatyard or shipyard.
- Any minor painting, sanding, scraping and refinishing must be contained and all debris collected. All paint mixing must be done with the can placed inside additional containment that will catch spillage. Paint cans used shall be no larger than one-gallon in size. Minor painting and sanding is allowed on the interior and superstructure of the vessel. Placing a tarp over the work area is required to prevent any release of sanding debris or paint to the marine environment. The tarp must prevent releases as well as run off from rain. Clean up and dispose of all debris materials daily to prevent a release. Do not wash solids into the water or storm drains. Assistance with containment provisions is available in the Shilshole marina office.
- Perform paint and solvent mixing, fuel mixing, and similar handling of liquids onshore or in a contained location so that nothing can spill directly into the water.
- Store materials such as paints, tools, and ground cloths indoors or in a covered area when not in use.
- Repair activity is not allowed on the dock. A dock box is provided at each slip for storage of equipment and supplies. Hazardous waste and hazardous material storage is not allowed in the locker boxes or on the dock at any time.
- Clean water under pressure may be used to remove salt from the outside of the vessel; however, any turbidity, oil sheen or discoloration to the receiving water is a violation of DOE Standard RCW 90.48 and is prohibited. Do not use soaps or detergents to wash the outside of the vessel.
- Engine repair and maintenance within engineering spaces is permitted. Engines and equipment may be removed from the vessel and sent for repairs. Leaking equipment must be removed in a containment tray.

VIII. Boat Hoist/Dry Boat Moorage Areas

The drains in the boat hoist area drain directly into the marina waters and the metals in the paint wastes generated by hull cleaning adversely impact the water quality, aquatic organisms and sediment quality. The Washington State Department of Ecology and the Department of Natural Resources have determined that cleaning of vessels painted with sloughing and ablative anti-fouling paints and tin compounds, (soluble “soft paints”) will produce an illegal discharge if released to the water. If your vessel is not painted with a sloughing or ablative pain, hull cleaning is not prohibited by the Washington State Department of Ecology, however, during the cleaning process, any turbidity, oil sheen or discoloration that is discharged to the receiving water is a violation of DOE Standard RCW 90.48 and is prohibited. This potential for pollution and potential violation of the State law has lead Shilshole Bay Marina to strongly recommend that all hull cleaning be conducted in a permitted boatyard, where contaminants are treated and disposed of properly.

- Maintenance and repair activity, including the washing of boats, trailers or any vehicle on land at the marina facility is not permitted. Storm water basins in the parking lot discharge directly into marina waters and do not filter or treat contaminants that could be released due to this activity.
- Do not use soap. All soaps and detergents, even the biodegradable soaps are considered pollutants and are illegal. No cleaner meets the legal requirements to enter our waterways (Water Pollution Control Law, RCW 90.48.080).
- Storage of hazardous wastes or hazardous materials, including paints, cleaners, degreasers, and gasoline is not allowed in the dry moorage area.



SHILSHOLE BAY MARINA

Best Management Practices



IX. Vehicles

- Maintenance of vehicles in the parking lot is not allowed. Painting, engine or transmission removal is prohibited. Vehicles that leave significant amounts of fuel, oil, or transmission fluid in the parking lot are prohibited and may be towed at the owner's expense.
- No car washing is allowed at the Marina. All parking lot drains discharge to the Marina waters. Use a commercial car wash facility that recycles the contaminated water.
- Do not hose down the parking lot.

X. Pesticides and Fertilizers

No chemical fertilizers, herbicides or insecticides are used in the maintenance of the landscape areas within the marina. The Seaport Maintenance Landscaping crew uses organic based fertilizers and mulch generated by a recycling process. King County recognizes the Landscape Crew and Shilshole Bay Marina as a "Green Business" for the reduction and recycling of solid waste and for choosing less hazardous materials and products made from recycled content.

- Most pots and planters are open on the bottom and some of what goes in the top discharges out the bottom and into Marina waters. Do not use any pesticides. If a fertilizer is used, a saucer or other containment under the pot is necessary.

Please contact the Shilshole Bay Marina Office to report any spill, discharge or other unsafe practices. Boater information, directories and guides are available at the Shilshole Bay Marina Office.



SHILSHOLE BAY MARINA

Best Management Practices



Physical address: 7001 Seaview Ave NW, Seattle, WA 98117.

Marina Office Hours – 8:00 to 4:30 PM Monday – Friday 8:00 to 3:00 PM Saturdays

Office Hours Phone: (206) 728-3006

After Hours Phone: (206) 601-4089

VHF Channel 17 monitored 24 hours/day – 7 days/week

Sewage Handling Disposal: Discharge of untreated sewage anywhere within the waters of Puget Sound, including Shilshole Bay Marina waters, is prohibited by law (Federal Water Pollution Control Act, 33 USC 1322; Washington State Water Pollution Control Act, Chapter 90.48 RCW, and other federal, state, and local laws and regulations). Discharge of treated sewage (*from MSDs Type I and II*) in Shilshole Bay Marina are prohibited. ***The definitions for Marine Sanitation Devices (MSD) are as follows:***

Type I: a device that relies on maceration and disinfecting for treatment of the waste prior to its discharge into the water. The standard in 33 CFR Secs. 159.123 and 159.125, is that the effluent has a fecal coliform bacterial count not greater than 1,000 per 100 milliliters and no visible floating solids.

Type II: a device that is similar to the Type I; however, the Type II device provides an advanced form of the same type of treatment and discharges wastes with lower fecal coliform counts and reduced suspended solids. The standard described in 33 CFR Secs. 159.126 and 159.126(a), is that the effluent has a fecal coliform bacteria count not greater than 200 per 100 milliliters and suspended solids not greater than 150 milligrams per liter.

Type III: a device that is designed to prevent the overboard discharge of treated or untreated sewage or any waste derived from sewage. Type III MSDs are commonly called holding tanks because the sewage flushed from the marine head is deposited into a tank containing deodorizers and other chemicals. The contents of the holding tank are stored until it can be properly disposed of at a shore side pump facility.



SHILSHOLE BAY MARINA

Best Management Practices



METHOD OF SEWAGE HANDLING (TO BE COMPLETED BY ALL NON-LIVEBOARD WET MOORAGE CUSTOMERS – LIVEBOARD CUSTOMERS COMPLETE THIS AS PART OF THE LIVEBOARD AGREEMENT).

I use the following method of sewage disposal on my vessel: (Please initial one)

Initial ___ The vessel has no head (toilet). I only use shore side facilities.

Initial ___ The vessel has a working porta-potty that is dumped at the discharge stations located on Dock H and the north end of lower A-dock.

Initial ___ The vessel has a working Type III Marine Sanitation Device (MSD III), that is pumped out regularly at the self-service pump out station . Self-service pump out stations are located on A-dock and Dock H.

Initial ___ The vessel has a working Type III Marine Sanitation Device (MSD III), that is pumped out regularly by a pump out service provider. (Contact the Marina Office for sources.)

Initial ___ The vessel has a working USCG certified Type III MSD that I do not use. I use shore side facilities only.

Initial ___ The vessel has a working Type I Marine Sanitation Device (MSD I). I understand that the MSD I will no longer be allowed as a method of sewage disposal while in Shilshole Bay Marina after 01/01/04 as a condition of moorage.

Initial ___ The vessel has a working Type II Marine Sanitation Device (MSD II). I understand that the MSD II will no longer be allowed as a method of sewage disposal in Shilshole Bay Marina after 01/1/04.

I/we have read and will adhere to these Best Management Practices and will help Shilshole Bay Marina achieve the goal of zero discharge to the environment.

Moorage Customer Name(s): (All partners in moorage must review and sign.)

Please Print

Please Print

Signature(s): _____

Date: _____