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MANITOWOC MARINA ENVIRONMENTAL MANAGEMENT POLICY

(Updated January 1, 2011 and Effective Immediately)

**Clean Water & Clean Environments Are Essential
To Good Boating**

**Manitowoc Marina Is Committed To Being
Environmentally Compatible**

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**STATEMENT OF PURPOSE:
KEEP IT CLEAN & PROTECT OUR ENVIRONMENT
Section 1**

Manitowoc Marina is a *Certified Wisconsin Clean Marina* and has committed itself to providing high quality facilities, customer satisfaction and productive use of our resources. The creation and maintenance of a clean and safe work environment must be regarded as an essential part of our business practices, and your personal practices.

***CLEAN WATER and a CLEAN ENVIRONMENT
are ESSENTIAL to GOOD BOATING
and
GOOD BOATING EXPERIENCES
are ESSENTIAL to YOUR QUALITY OF LIFE***

***However, polluted water harms the Environment and spoils the boating
enjoyment, which hurts your quality of life.***

To protect our waters, marina life, fish and waterfowl from possible boat and marina pollutants, is a major goal of Manitowoc Marina. Every Customer and each Employee must work together to keep our Marina and boating environment clean. This is a joint effort. We must all cooperate if we expect future generations to have Clean Water, a Clean Environment and Good Boating.

This policy has some basic, common sense approaches to helping keep our boating water, marina land and shore clean, neat and healthy for all of us.

Manitowoc Marina's Bottom Line...

This Marina does not welcome people who pollute the environment.

***Manitowoc Marina is a marine sanctuary, which provides food and shelter for
young fish. Polluting Is Not Allowed.***

***Manitowoc Marina, it's employees and future generations of boaters,
all thank you for your personal efforts to help preserve
our marine environment!***

POLLUTION CONTROL

Section 2

Pollution is Everybody's Business

Whether we like it or not, people pollute in everything we do and everywhere we go. Sometimes the amount of pollution is so small that it is never recognized, just a small drop in a big ocean. Many of those small drops can add up to a much larger volume, which can harm the environment.

At other times, the activities of people and our industries can cause severe pollution, which eventually pollutes our waterways. Urban runoff and combined municipal sewer and storm water overflows are examples of our largest sources of pollution in most boating waters.

Fortunately, Marinas and boats ARE NOT major polluters, but DO ADD a bit here and a bit there.

Since many boats congregate in our Marina, it is the policy of Manitowoc Marina to do everything possible to discourage anyone from polluting, while encouraging and helping customers do the right thing. All Employees are part of our Marina Team and are dedicated to cleaning up, eliminating contaminants before they contaminate, and to clearing up anything that can wash into the water, which may spoil our Manitowoc Marina environment.

Clean Boating....This Is The Life! Let's Keep It That Way!

Some Environmentally Friendly Products Found in the Manitowoc Marina Ship's Store:

Racor "LifeGuard" Air/Fuel Separator
Interlux VC-17 & VC-18, Aquarius Water Based Bottom Paint, InterProtect 2000/2001E
3M Citrus Based Cleaner, 5-Way Plus Penetrant, and Bilge Pillows
Mequars #58 All Purpose Marine Cleaner, #51 Wash n Wax, and #54 Boat Wash
Peel Away Marine Safety Bottom Paint Striper
Starbrite Bilge Cleaner
Refresh Holding Tank Deodorant
Secure Holding Tank Deodorant

***We are very serious about becoming more environmentally compatible and we
hope you are too!***

BOAT SEWAGE MANAGEMENT

Section 3

Untreated sewage is a major source of waterborne disease.

Floating sewage is a very repulsive sight that can ruin the perception of having a fun boating experience. Adrift in a marina, it is downright unpleasant to see or to think that it might be there.

Federal Law requires all boats with fixed toilet facilities to have a US Coast Guard approved Marine Sanitation Device (MSD). On the Great Lakes, Type III MSDs are required (usually called holding tanks) to keep the waste aboard until pumped out into a sewage system. The holding tank requires an external pump to empty the tank. Pump-outs are a value added feature (no charge) for our Seasonal Dockage Customers. The other type of toilet that is legal is the portable toilet (often called porta-potty). This must be carried ashore and dumped into the waste receiving station, which is located near the fish cleaning station.

Some boats are equipped with a Y-valve, which must be disabled on the Great Lakes. It is illegal to dump any sewage into the waters of Lake Michigan, or any other of the Great Lakes for that matter!

**At Manitowoc Marina, Our Boat Sewage Management Rules are
Simple and Short:**

NO OVERBOARD DISCHARGE OF ANY SEWAGE ALLOWED...NONE!

People Should Use Our Shoreside Restrooms.
Holding Tanks Are To Be Pumped Out Regularly.
Formaldehyde Chemical Additives to Holding Tanks Are Banned.
Porta-Potties Must Be Emptied Into Our Designated Dump Station.

***Manitowoc Marina Seasonal Dockage Customers enjoy FREE
Pump-outs.***

Manitowoc Marina waters are clean, and we aim to keep it that way.

A. Use Marina Restrooms

Use the Marina Customer Restrooms. We have plenty of hot water for washing and showers, plus clean, comfortable and dry toilet areas. Help us keep the restrooms clean and neat. Marina staff and our Janitorial Service, will do their best to regularly clean the restrooms. But each user can help by placing trash in the waste baskets, wiping up the sink and counter after use, properly flushing toilets, AND reporting any vandalism or people who leave the area a mess.

B. Marine Sanitation Devices (MSD = Boat Toilets)

All boats with fixed boat toilets must have MSDs that are federally approved, and be properly maintained in working condition. The Marina reserves the right to inspect any boat toilet to assure compliance. Boats without properly operating MSD's, must have them repaired within 30 days of the time of notice. The Marina can arrange for repair and maintenance work on MSDs.

C. Holding Tank Pump Out Available

Holding tanks can be pumped out at our Manitowoc Marina's fuel dock. There is no charge for Seasonal Dockage Customers, all others will be charged \$6.00 and up per pump-out. Porta-Potties may be emptied into the designated Dump Station located near the fish cleaning station in the Northwest parking lot. This service is free and available to the general public.

LITTER CONTROL

Section 4

Everyone Should Help Keep Our Marina Clean

Dumping plastic and trash is against the Law in most Countries in the World. Every boat operating in US waters and staying in Manitowoc Marina, must have a sign or placard clearly visible which states:

"It is illegal for any vessel to dump plastic trash anywhere in the navigable waters of the United States. Annex V of the MARPOL (MARine POLLution) TREATY is an International Law for a cleaner, safer marine environment. Violation of these requirements may result in civil penalty up to \$25,000, fine and imprisonment.

US Lakes, Rivers, Bays, Sounds and...

...3 miles from shore, its ILLEGAL TO DUMP plastic, garbage, paper, rags, glass, food, metal, crockery, & dunnage.

...3 to 12 miles offshore, its ILLEGAL TO DUMP plastic, dunnage, lining & packing materials that float, also, if not ground to less than one inch: paper, rags, glass, crockery, metal & food.

...12 to 25 miles offshore, its ILLEGAL TO DUMP plastic, dunnage, lining & packing materials that float.

...Outside 25 miles, its ILLEGAL TO DUMP plastic.

State and local regulations may further restrict the disposal of garbage."

The Manitowoc Marina Ship's Store has MARPOL placards for sale.

Manitowoc Marina Litter Control Policies For Our Customers and Employees Are Simple:

1. Overboard Dumping of any trash IS ILLEGAL and WILL NOT BE TOLERATED.
2. Bring back what you take out.
3. The MARPOL placard should be properly attached.
4. Store and dispose of engine and flashlight batteries properly. (We will recycle)
5. Use Marina trash receptacles for anything you can't recycle.
6. Keep cigarette or cigar butts out of Marina waters.
7. When you see litter floating or on the docks and ground, please pick it up for proper disposal.
7. Fish cleaning must be done at the fish cleaning station. Absolutely no fish waste may be dumped into Marina waters.
8. Recycle your paper, aluminum, plastic and glass.

Recycling Makes Environmental and Economical Sense

Manitowoc Marina encourages all customers to RECYCLE as much as possible. Bins for recyclable materials are located near the north side entrance to The Ship's Store. We urge all of our customers to either use them, or take their trash home for recycling.

Litter Control Is Serious Business and We all must take it seriously.

OIL POLLUTION PREVENTION

Section 5

Oil pollution from boats and marinas is really a small problem, BUT we can do even more to keep most of it out of the water. Even one drop of oil quickly spreads out forming a large sheen on the water's surface and can harm some forms of marine life.

US Law requires that every inboard powerboat's bilge have a sign that states:

"Discharge of Oil Is Prohibited!"

The Federal Water Pollution Control Act prohibits the discharge of oil or oily waste into or upon the navigable waters and contiguous zone of the United States if such discharge causes a film or sheen upon, or discoloration of the surface of the water, or causes a sludge or emulsion beneath the surface of the water.

Violators are subject to a penalty of \$5,000."

Manitowoc Marina Oil Pollution Control Policies For Our Customers and Employees Are Simple:

1. Overboard Dumping or Discharge of ANY OIL IS ILLEGAL and NOT TOLERATED in Manitowoc Marina.
2. A Federally mandated Oil Discharge placard should be properly attached.
3. All boat bilge's should have oil absorption pads or "Bilge Rats", which should be replaced as needed. For our storage customers, we provide the first one free.
4. All boat engines should be properly maintained to prevent oil and fuel leaks, and to get maximum fuel efficiency while running.
5. When fueling boat tanks, extra care must be taken to prevent spillage from around the fuel nozzle and the air vent. (We use absorbent pads & place a collector over the vent)
6. All boats with built in fuel tanks should have either air vent whistles or fuel/air separators installed to prevent minor spills during fueling.
7. Dispose of waste engine oils in properly designated receptacles at the Marina, or take elsewhere for recycling. The Marina has a waste oil collection tank on the north side of the Service Building.
8. Wash boats with water pressure and only use mild cleaners if necessary. Do not use highly caustic cleaners in the Marina. The same goes for bilge cleaners.
9. The Marina is required by Federal Law to report to the US Coast Guard the name of any boat or person responsible for any oil spill onto the water, large or small, whenever a fuel sheen is visible. The Coast Guard will decide the degree of responsibility, possible cleanup cost and fines.

The Manitowoc Marina Ship's Store has Oil Discharge placards, bilge oil absorption pads, air vent whistles, and fuel/air separators for sale.

Additional notes on Oil Pollution Prevention:

Used motor oil should be disposed of in the large oil recycling drum on the north side of the service building. (Ask the Service Dept. for access)

Used diesel fuel and hydraulic fluids can be disposed of in the same recycling drum as used oil. This does NOT apply to gasoline.

Used oil & diesel fuel filters should be set on grate on top of oil drum and allowed to drain. Marina personnel will crush the filters and see that they are properly recycled.

Use of oil absorbent pads and pillows in your bilge and engine compartment are encouraged. Manitowoc Marina supplies all winter storage customers with a bilge pillow when the boat is launched in the spring. We hope that you will replace this pollution prevention device as necessary during the course of the boating season.

Used oil absorbent pads and pillows need to be properly disposed of. The excess oil should be rung out and the pad or pillow, then placed in the proper disposal drum. (Ask the Service Dept. for access)

Please do not....

...dispose of used oil or diesel fuel filters in the dumpsters.

...dispose of gasoline in the oil drum. The marina does not have any economical means of properly disposing of gasoline. Take it home and burn it in your lawnmower.

...leave used oil, diesel fuel or gasoline lying around in storage containers. Please dispose of all used oil and fuel properly. (Ask the Service Dept. if you need assistance with proper disposal)

BOAT & ANTIFOULING PAINT CONTROL

Section 6

Boat Paints contains many types of chemicals (pesticides and metals), some of which can be harmful to marine life living in the Marina waters and lake bottom. This is particularly true of antifouling paint that is made specifically to retard plant and animal growth on boat hulls. The problem they cause is when pieces of the paint are chipped or sanded off the boat and washes into the water.

To prevent this run-off problem, the Marina requires that all boat bottom sanding be done in designated areas only where the paint residue can be collected and not blown or washed into the waterway during rain (called runoff).

Manitowoc Marina Paint Control Policies Are Simple:

1. Overboard Dumping of ANY PAINT OR VARNISH SANDINGS IS NOT ALLOWED. Thus sanding a boat in a slip or on land, which allows paint to drop, blow, or runoff into the water is not permitted. This rule applies to everyone including boat owners, friends, Marina staff, and visiting boat outside contractors. (Use dustless sanders at all times and lay down tarps)
2. Use the Marinas designated boat sanding (main parking lot nearest Maritime Drive & lot adjacent service building) areas only, and protect from wind blown drifting of dust.
3. Collect all paint stripping and sanding wastes for proper disposal. Do not let these lie on the ground and wash into the water as rain runoff. Use the Marina's designated boat sanding area only.
4. Use only special dust free power sanders connected to vacuum cleaners, or professional grade sanders with dust collection capability. Dirt and dust generating sanders can no longer be used in the Marina. The Marina is using these cleaner machines, and we will rent them out to boat owners wishing to do their own work. The professional grade sanders with dust collection capability are available to rent for \$15/half day or \$25/full day. Inquire in the Ship's Store or Service Department for rental equipment.
5. Use only bottom antifouling paints that comply with current regulations. TBT paint is not allowed to be applied or used in this Marina (except as allowed by law and under Marina management control).
6. Do not dump liquid paint or thinners into the water as they will harm marine life.
7. Take all used paint cans, thinners, and used brushes out of the Marina for proper disposal in land based designated receptacles for recycling. Note: Paint cans can only be disposed of after all of the contents are used and the remaining paint has dried. You can dispose of empty paint cans in the dumpsters. Otherwise, take it home for proper land based disposal.
8. Any person, while painting or sanding in this Marina, should wear proper protective clothing and respirators at all times while working on any boat.
9. Bottom Paints are toxic and should be applied with care. Our Marina staff have Pesticide Applicator Licenses issued by the State of Wisconsin.

The Marina's Service staff are available to sand and paint boats in an environmentally safe manner, and provide quality work.

ENGINE ANTIFREEZE CONTROL (Ethylene Glycol & Propylene Glycol) Section 7

Despite what most of us have been led to believe in recent years, all antifreezes are detrimental to the environment. Propylene Glycol, which is not toxic to humans (the so called “environmentally friendly” antifreeze), is actually less biodegradable than its counter part Ethylene Glycol. According to lab tests, Propylene Glycol degrades at a slower rate, and it has a 25% to 30% greater oxygen depletion effect in water than Ethylene Glycol. So much for it being environmentally friendly! According to the Wisconsin DNR, both antifreezes are toxic to fish and micro-organisms. As such, it's illegal to discharge it to the surface waters of the state. This includes discharge into the waterway by pumping bilge's or running engines filled with antifreeze

To prevent this particular discharge or run-off problem, the Marina requires that all types of antifreezes be captured and properly recycled.

Manitowoc Marina Engine Antifreeze Control Policies For Our Customers and Employees Are Simple:

1. Overboard dumping of ANY TYPE OF ANTIFREEZE IS NOT ALLOWED. Thus starting your winterized engine, in the water or in the parking lot, which allows antifreeze to discharge directly into the water or run-off into the sewer, is not permitted. This rule applies to everyone including boat owners, friends, Marina staff, and visiting boat outside contractors.
2. Use the Marinas designated boat work area (main parking lot nearest Maritime Drive & lot adjacent service building) only, and protect from wind blown drifting of liquid.
3. Collect all antifreeze wastes for proper disposal. Do not let this pollutant lie on the ground and wash into the water as rain runoff. Use the Marina's designated boat work area only.
4. Do not dump antifreeze into the water, as it will harm marine life.
5. Captured antifreeze that is free of other contaminates, can be contained, stored and reused. Clean anti-freeze is readily reusable. Recycle it wherever possible. (The Marina has a tank for reusable Propylene Glycol anti-freeze)
6. Captured antifreeze that is contaminated should be recycled properly. The Marina has a designated container for anti-freeze disposal next to the oil recycling tank on the north side of the service building. (Ask the Service Dept. for access)

The Marina's Service staff are available to capture and recycle anti-freeze in environmentally safe ways, which provides quality jobs. Let the Manitowoc Marina professionals do the dirty work.

BOAT BOTTOM CLEANING CONTROL

Section 8

The use of pressure cleaning equipment (or other methods) for the initial rinse-off of a vessel hauled from the water generates Industrial Waste Water. This process should be restricted to an area with an impermeable surface (such as sealed asphalt) and filtered through hay bails or organic material socks before reaching the surface water. Waste water from pressure cleaning activities may not be discharged on surface waters unless so treated.

Materials removed from the bottom of boats should be captured and properly disposed of. Run-off should not be allowed to enter surface waters, storm drains, or ground water unless it only contains clean water. Paint, grease, anti-fouling agents, and other substances thus removed are classified as solid waste, and in some instances may be hazardous waste and require proper disposal.

To prevent this particular discharge or run-off problem, the Marina requires that all boat bottom cleaning run-off be captured and properly treated. (We have a designated area for this activity)

Manitowoc Marina Boat Bottom Cleaning Control Policies For Our Customers and Employees Are Simple:

1. Discharge on surface water of BOAT BOTTOM CLEANING RUN-OFF IS NOT ALLOWED. Therefore, cleaning your boat bottom, in the water or in the parking lot, which allows run-off to discharge directly into the water or run-off into the sewer is not permitted. This rule applies to everyone including boat owners, friends, Marina staff, and visiting boat outside contractors.
2. Use the Marinas designated boat bottom cleaning area (asphalt area immediately in front of the launch well) only, and protect from wind blown drifting of liquid.
3. Collect all solid wastes for proper disposal. Do not let this pollutant lie on the ground and wash into the water as rain runoff. Use the Marina's designated boat bottom cleaning area only.
4. Do not scrub your boats bottom while in the water, as it will harm marine life.

The Marina's Service staff are available to clean boat bottoms in environmentally safe ways, which provides quality jobs. Let the Manitowoc Marina professionals do the dirty work.

***Now it's up to all of us. We can have a dramatic impact on the quality of our water resources and the boating environment either positive or negative.
Let's do the right thing.***

Thanks again for your cooperation!!

WISCONSIN CLEAN MARINA PROGRAM

Section 9

The Wisconsin Clean Marina Program provides guidance and education that enable marina and boatyard operators to protect the resources that sustain their livelihood — clean water, clean air, and healthy fish and wildlife communities. These natural assets are essential features of the boating industry. After all, many boaters are drawn to the water by nature's glory. Boaters want to ply clean waters, catch and eat healthy fish and enjoy water sports without fear of water-borne diseases.

The maintenance, operation, and storage of recreational vessels have the potential to release pollutants to lakes and rivers. The Wisconsin Clean Marina Program promotes and celebrates voluntary adoption of measures to reduce pollution from marinas, boatyards and recreational boats. The purpose is to ensure clean water and protect fish and wildlife. A Clean Marina [Guidebook](#) and educational materials are available on this website. Workshops and technical assistance on best management practices are provided to facility operators. Marinas and boatyards are invited to participate in the program and demonstrate their commitment to environmental stewardship. Facilities that adopt the program recommended practices may become certified as Wisconsin Clean Marinas and receive free publicity as environmentally responsible businesses.

Participating marinas and boatyards benefit in many ways, including cost savings from reduced hazardous waste disposal, fewer pollutant clean-ups, and lower insurance rates. Through improved understanding of and voluntary compliance with environmental regulations, you lessen the potential for violations and fines. Your facility will be a safer, healthier place for your employees, contractors and patrons. Moreover, designated Clean Marinas will be in a better position to attract boaters who prefer businesses that protect the environment. "Green" consumers are one of the fastest growing market segments today.

The Wisconsin Clean Marina Program is administered by the Wisconsin Marina Association, with guidance and technical assistance from the University of Wisconsin Sea Grant Institute. Additional partners include the University of Wisconsin-Extension's Solid and Hazardous Waste Education Center, the Wisconsin Coastal Management Program, the Wisconsin Department of Natural Resources-Office of Great Lakes, and the U.S. Coast Guard. Development of the Wisconsin Clean Marina Program was funded by the Wisconsin Coastal Management Program and the National Oceanic and Atmospheric Administration, Office of Ocean and Coastal Resource Management under the Coastal Zone Management Act, Grant # NA08NOS4190431.

The entire crew at Manitowoc Marina are proud to be an early adapter (the 8th Certified Marina) of the Wisconsin Clean Marina Program. To sustain the Best Management Practices we have undertaken, we need the cooperation of our Customers and we hope you will partner with us to provide future generations of boaters with a clean environment.

