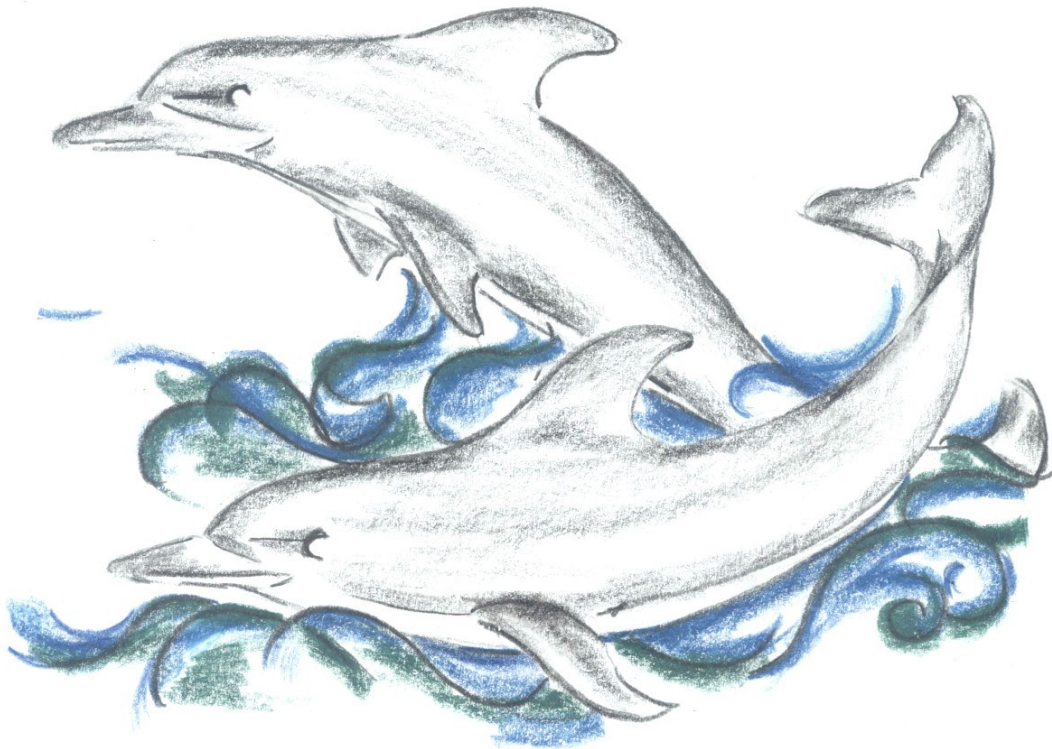


# Clean Marina Program



San Diego Region

# **CLEAN MARINA PROGRAM**

## **SAN DIEGO REGION**

A partnership of marina owners and yacht club members from Dana Point to Chula Vista developed the *Clean Marina Program* to provide clean facilities to the boating community and protect San Diego Region's waterways from pollution. A tremendous effort has gone into the writing of this *Clean Marina Program* and the Best Management Practices (BMPs) outlined in this document.

On behalf of the Clean Marina Team, I want to extend a whole-hearted 'Thank You' to the staff and board members of the San Diego Regional Water Quality Control Board who so graciously agreed to allow our Team to work on Best Management Practices (BMPs) and incorporate them into a *Clean Marina Program-San Diego Region* as an acceptable method to address the water quality in our marinas and yacht clubs. The Team specifically appreciates the cooperation from John Robertus, Executive Officer, and input from Pete Michael, Staff Environmental Scientist.

A big "Thank You" also goes to Tim Leathers, Marina Manager Cabrillo Isle Marina, for chairing the Subcommittee tasked with writing the BMPs, developing the Clean Marina Program's Logo, establishing the point system, and setting the guidelines for a 'Clean Marina' Designation. Frank Quan, Facilities Manager for the Department of Harbor & Beaches in the City of Oceanside, and Vikki McMillan, Chair of the Community Relations Committee for Southwestern Yacht Club, were active members of the Subcommittee and many thanks goes to them as well for their ongoing dedication to this project. Leigh Taylor Johnson, Marine Advisor for Sea Grant California, was a key advisor to our group as the only non-marina or yacht club person attending most of the meetings. She provided valuable input.

Of course, without the participation, knowledge and expertise of San Diego Region's marina owners/operators and yacht club representatives during our numerous workshops, the Clean Marina Document would not be as comprehensive as it needed to be. Thanks to all of you for your hard work. There were many (too many to list here) from outside our region even as far as Florida that had important input into this effort and we thank every one of you.

It is the objective of our partnership that all the marinas in the San Diego Region obtain 'Clean Marina' designation, proudly fly the 'Clean Marina' burgee and display the 'Clean Marina' Designation Certificate. All marinas and yacht clubs in the coastal waters of San Diego are encouraged to participate in *Clean Marina Program-San Diego Region*. The Best Management Practices are written in a clear and concise manner to assist the marina owners/operators and yacht clubs managers in being designated a 'Clean Marina'.

This joint effort has made *Clean Marina Program-San Diego Region* with its Best Management Practices a living document that will guide our marinas, yacht clubs and boaters in keeping our boating waters clean and healthy. Working together we will accomplish 'Clean Marina' designations throughout the San Diego Region and maybe beyond.

H. P. "Sandy" Purdon  
Chairman  
Clean Marina Program for Marinas and Yacht Clubs in the San Diego Region

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Others seeking to advance best management practices in marinas and yacht clubs, so long as they do so on a not-for-profit basis and also make it available to others under the same conditions, may use this material, including derivative versions, at no cost. Those making use of this work are requested to notify the copyright holder at the following address: [HPPurdon@cox.net](mailto:HPPurdon@cox.net)

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## Purposes & Goals

The purpose of the Clean Marina Program is to encourage the marinas and yacht clubs in Region 9 of the California Regional Water Quality Control Board to use Best Management Practices (BMPs) in order to prevent or reduce pollution in our coastal waters.

The program provides a checklist to assist participating marinas and yacht clubs as they educate, train and encourage boaters and employees to protect the environment and water quality through the routine use of these BMPs.

A review of each facility will be performed by an independent team to determine that day-to-day activities and operations are enhancing the environment and water quality. Those meeting the Program standard and implementing a pledge to continue the use of these BMPs will receive a Clean Marina designation.

An important goal of the Program is to achieve 100% Clean Marina Program participation by the marinas and yacht clubs of our region.



## Introduction

BEST MANAGEMENT PRACTICES OR BMPs are:

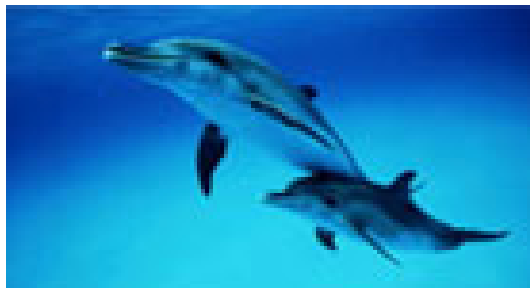
All activities and devices that help prevent or reduce water pollution. Pollution may be carried to the water by storm drains, seeping through the ground, by falling from the air, or by direct spills or dumping. Some BMP examples would be: Good Boat-Keeping Practices, Education, Signs, Notices, Marina Rules and Regulations, Waste Receptacles, Spill Prevention and Rapid Clean-Up plans, to name a few.

This Clean Marina Program is an excellent guide to BMPs that can be used throughout Marinas and Yacht Clubs to keep boating waters clean and healthy.



### Clean Marina Review

- MARINA REVIEW WILL BE CONDUCTED BY AN IMPARTIAL INDUSTRY REVIEW TEAM COMPRISED OF A CROSS SECTION OF PROFESSIONALS IN THE MARINA INDUSTRY AND RELATED ACTIVITIES.
- POINTS REQUIRED BY REGULATION ARE IN RED. 100% OF THE POINTS ARE REQUIRED FOR DESIGNATION IF APPROPRIATE FOR THAT FACILITY.
- ADDITIONAL BMP POINTS ARE IN BLACK AND 65% OF THE TOTAL ADDITIONAL POINTS ARE NEEDED TO GAIN THE CLEAN MARINA DESIGNATION (See next page for further explanation.)
- A DOLPHIN FLAG OR PENNANT AWARD WILL BE GIVEN TO EACH MARINA THAT BECOMES DESIGNATED AS A CLEAN MARINA, AFTER THE IMPARTIAL TEAM'S REVIEW.
- A DESIGNATION CERTIFICATE WILL ALSO BE AWARDED TO EACH DESIGNATED CLEAN MARINA.
- THE COPYRIGHTED DESIGNATION LOGO WILL BE AVAILABLE TO BE USED BY ANY CLEAN MARINA DESIGNATED FACILITY FOR MARKETING OR OTHER MATERIALS.



## Score Sheets

The score sheets used by the Clean Marina Program are intended to be "living documents". As the program evolves and as regulations change, the methods used to evaluate a marina's performance will need to be revised.

Those elements of marina operations that are mandatory under Federal, State, City or Port regulations will be scored under the expectation that one hundred percent compliance is required. Other elements of marina operations will be scored with the expectation that sixty-five percent compliance is expected. The target of 65% is derived because various components of each of the scoring elements will not be applicable to every marina. Thus, marinas will not be able to score 100% on Additional elements in some areas.

If a certain BMP or function is not applicable to a particular marina or yacht club then you score it N/A (not applicable), you then subtract the point amount assigned to that BMP from the total Additional points at the bottom of the score card. Then divide the actual score by the possible Additional point total (less the N/A's) to derive your percentage score.

The target rate of sixty-five percent was chosen based upon a similar program that is operational in Florida. As the San Diego program matures, this target may be revised so that it conforms to actual results observed after marina reviews are completed.

Because the score sheets are "living documents" they must be retained before and after a marina's designation to serve as a record of the efforts to achieve designation and to keep the designation current. Good faith effort is demonstrated by active and continual progress in achieving the criteria of the Clean Marina Program.

### Clean Marina Program Organization

**Governing Body:** Marina Permit Response Team (MPRT). The duties of the MPRT are to,

- Establish the program.
- Administer the program.
- Update the program as needed.

**Oversight Committee:** San Diego Regional Clean Marina Program Council (SDCMPC). The duties of the SDCMPC are to,

- Furnish an outside perspective.
- Assist with procurement of resources.

Examples of prospective SDCMPC members are,

- Coast Guard Auxiliary
- Representatives from the Port of San Diego, City of San Diego, City of Oceanside, County of Orange
- Recreational boating trade organizations
- Representative(s) from the San Diego Regional Water Quality Control Board

**Review Teams (RT) and Review Team Trainers:**

- Three-person teams that will visit marinas, complete the checklists and score sheets and recommend that the marina or yacht club earned the Clean Marina designation.
- 



## **Emergencies**

A number of situations may occur in a marina that requires immediate response. Calling 911 may be appropriate in some instances, but additional staff response is also called for in nearly every emergency situation. Without pre-planning, important steps can be overlooked and without a quick reference guide, the best of intentions may not produce the best actions for solving the occasional, but intense problem.

## **Regional Regulations**

Emergency Action Plan (EAP) - San Diego County Code Chapter 6.95, Div. 20.

### **Marina Best Management Practices**

- Have a current and updated map of important shut off valves
- Keep a list of up-to-date Emergency Phone Numbers
- Ongoing Staff Training - Acquaint all employees with the contents of the emergency procedures and responsibilities for each situation as designed by the EAP.

### **Boater Best Management Practices**

- Keep a serviced fire extinguisher available.
- Ensure engines and fluids are cooled before working to avoid burns.
- Keep work area clear of oil and debris.
- Provide continuous ventilation.

## **Petroleum Containment**

Fuel can be easily spilled into surface waters from the fuel tank air vent while fueling a boat, and oil can be easily discharged during bilge pumping. Gasoline spills can be a safety problem because of gasoline's flammability. Hydrocarbons are dangerous to aquatic plants and animals both at and below the water surface.

It is, therefore, necessary to reduce the amount of fuel and oil from boat bilges and fuel tank air vents entering marina and surface waters.

## **Regional Regulations**

**It is unlawful to discharge fuel or oil into marina waters.**

*SWRCB, San Diego Order No. 2001-01, NPDES No CAS0108758 (Oceanside, Mission Bay, San Diego Bay). Order No R9-2002-000 NPDES No CAS0108740 (Dana Point Harbor).*

*San Diego Port District Code Section 10.03 (a) 1.*

*City of San Diego Code Article 3, Division 3, Section 43.0304*

*City of Oceanside Code Chapter 40, Section 40.2.1*

*County of Orange Code Section 4-13-40 (a) (2)*

**Vessels 26 feet and longer are required to display an oily waste discharge placard.**

*Clean Water Act, Section 311*

## **Marina Best Management Practices**

- Promote the installation and use of fuel/air separators on air vents or tank stems of inboard fuel tanks to reduce the amount of fuel spilled into surface waters during fueling.
- Initiate an absorbent pad exchange program in which slip holders can exchange used pads for new ones.

### **Petroleum Containment (cont.)**

- Insert a clause in the leasing agreements requesting boaters use oil-absorbing materials in their bilges.
- Prohibit the use of detergents and emulsifiers on fuel spills.
- Provide a collection site for used oily pads and used oil when applicable.

### **Boater Best Management Practices**

- Fill fuel containers on land to reduce the chance of fuel spills into the water.
- Avoid overfilling fuel tanks.
- Perform all major engine maintenance away from surface water. Any maintenance work on engine must be done in compliance with rules and regulations governing the marina.
- Avoid fueling boats from portable fuel containers while in the marina.
- Use petroleum absorption pads while fueling to catch splash back and the last drops when the nozzle is transferred back from the boat to the fuel dock.
- Keep engines properly maintained for efficient fuel consumption, clean exhaust, and fuel economy. Follow all manufacturers' specifications.
- Routinely check for engine fuel leaks and use a drip pan or absorbent pads under engines.
- Do not pump any bilge water that is oily or has a sheen. Use materials that either capture or digest oil in bilges. Examine these materials frequently and replace as necessary.

**Petroleum Containment (cont.)**

- Exchange used oil absorption pads if possible, or dispose of them in accordance with petroleum disposal guidelines.
- Report oil and fuel spills to the marina office and the U.S. Coast Guard National Response Center immediately. Phone # 1 (800) 424-8802

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## **Topside Boat Maintenance and Cleaning**

Use of solvents, paints and varnishes for in-slip boat maintenance can contribute to pollution entering the water. The best way to protect the water is to perform only small maintenance jobs in the slip. Use of a variety of boat cleaners, such as detergents, teak cleaners and fiberglass polishers can also contribute to pollution and nutrients entering the water.

## **Regional Regulations**

*Port of San Diego Storm Water Control Article 10, Chapter 5*

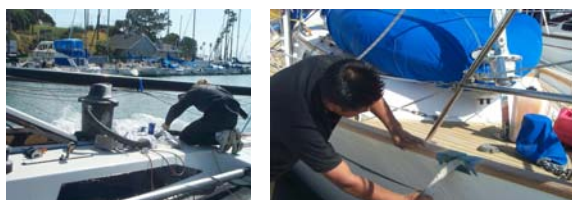
### **Boater Best Management Practices**

- Ask your marina manager what types of maintenance projects are allowed in the slip.
- Tackle boat projects in the water only if they involve less than 25% of the surface above water line.
- Ask marina manager about rules for do-it-yourself work, contractors or vendors working in the marina
- Drape vessel with tarps to catch wastes from projects.
- Cover the water between boat and dock with visquine or tarps.
- Use a dust-containment bag with sanding equipment.
- Sweep or vacuum all residual sanding dust and put in the trash.
- Plug scuppers to contain dust and debris.
- Ventilate your space to prevent the accumulation of flammable or noxious fumes.

### **Topside Boat Maintenance and Cleaning (cont.)**

- Use eye protection and a respirator when there is the possibility that dust and debris could damage eyes or lungs.
- Remove oil, debris and clutter from your immediate work area.
- Do not sand with steel wool.
- Do not sand in a heavy breeze.
- Mix all solvents, paints and varnishes over a tarp or on land.
- Avoid spills in the water of all solvents, paints and varnishes.
- Use or ask your topside maintenance service to use environmentally friendly cleaning products. Carefully read labels to ensure the products are phosphate free and biodegradable. Use products in moderation, since more of the cleaner product does not automatically mean your topside is cleaner.
- Avoid cleaners that contain ammonia, lye, sodium hypochlorite, chlorine or petroleum distillates.
- Consider allowing teak to fade to gray and rinse it occasionally with salt water to remove the dirt; or, for the look of freshly sanded teak, scrub teak decks with salt water and let the sun bleach them.
- Use teak cleaners sparingly and avoid spilling them or fiberglass polishers in the water.

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## **Underwater Boat Hull Cleaning**

Consideration should be given to using bottom paints that do not pollute our environment. Frequent underwater hull cleaning can enhance vessel performance and protect it from the elements such as marine growth and corrosion. Underwater hull cleaning should be guided by BMPs that will clean a vessel in such a way as to protect and preserve the bottom while causing minimal impact to the environment.

### **Regional Regulations**

*SWRCB, San Diego Order No. 2001-01, NPDES No CAS0108758 (Oceanside, Mission Bay, San Diego Bay). Order No R9-2002-000 NPDES No CAS0108740 (Dana Point Harbor).*

*Port of San Diego Code Section Article 10*

*City of San Diego Municipal Code Article 3, Div 3, Section 43.0301*

*City of Oceanside Municipal Code Chapter 40*

*County of Orange Code Sections 9-1-10 to 9-1-127*

### **Marina and Boater Best Management Practices**

- Recommend the use of nontoxic and legal hull paints to reduce the possibility of contamination when performing hull cleaning.
- Ensure hull paint is properly applied and maintained to protect the hull from fouling organisms and thus improve your boat's performance.
- Wait 90 days after applying new bottom paint before underwater cleaning.
- Schedule regular hull cleaning and maintenance to reduce the build up of hard marine growth and eliminate the need for hard scrubbing.
- Regularly scheduled gentle cleaning will also increase the effectiveness of the antifouling hull paint and extend its useful life.

### Underwater Boat Hull Cleaning (cont.)

- Use, or ask your Hull Cleaning/Maintenance Service to use, Underwater Hull Cleaners' Best Management Practices. Ask your service to monitor the work of the divers that they hire or subcontract to ensure they are using BMPs.
- Repair paint bonding problems at haul out to avoid further chipping and flaking of paint in the water.
- Use, or ask your diver to use, non-abrasive scrubbing agents, soft sponges or pieces of carpet to reduce the sloughing of paint and debris.
- Boaters are encouraged to use boat hull cleaning companies and individuals that practice environmentally friendly methods.
- Encourage divers to use different types of pads when necessary to properly maintain a vessel's bottom paint (example: In many cases surfaces close to the waterline are more susceptible to higher growth rates therefore you need to use different pads in order to properly remove marine growth and corrosion. Likewise, a softer pad can be used for the rest of the vessel to maximize hull performance and optimize the lifespan of the paint.)
- Boater should notify hull cleaner as to what type of bottom paint was used and when the bottom was last painted.

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## **Marina Operations**

Materials, supplies, vehicles and equipment stored outdoors and exposed to rain and runoff can result in storm water pollution. It is not always feasible to store everything indoors or under cover, so marinas and residents must take steps to reduce contaminants from these type storages to the maximum extent practicable. Steps to accomplish this include keeping these items in designated areas that are, where feasible, paved to allow for periodic sweeping, sloped or bermed to limit run-on and located away from the bay and/or storm drains.

## **Regional Regulations**

*SWRCB, San Diego Order No. 2001-01, NPDES No CAS0108758 (Oceanside, Mission Bay, San Diego Bay). Order No R9-2002-000 NPDES No CAS0108740 (Dana Point Harbor).*

*Port of San Diego Code Section Article 10*

*City of San Diego Municipal Code Article 3, Div 3, Section 43.0301*

*City of Oceanside Municipal Code Chapter 40*

*County of Orange Code Sections 9-1-10 to 9-1-127*

## **Marina Best Management Practices**

- Bicycles, motor scooters or motorbikes are not permitted without approval from the marina. If permission is granted, no riding or driving on the docks will be granted.
- Unattended open containers of paints and other maintenance supplies are not permitted on the docks. Keep all open containers on the boat or on land in a secondary containment. While the material is in use, the open container should be kept in a secondary containment.
- All materials must be stored indoors or in covered containers.
- Secure watertight containers must be used when storing materials and wastes outside.

### **Marina Operations (cont.)**

- Household hazardous materials must be stored in closed labeled containers in a covered area.
- All spills must be cleaned up immediately.
- Use absorbent materials to clean up liquid spills. Do not rinse spill into the water.
- Dry sweeping techniques or vacuuming must be used for the clean up of spills.
- Boaters must properly manage and dispose of all wastes and materials.
- Make storage space available away from the docks for rent or use by boaters.
- Marinas are encouraged to berm all trash and recycling areas to prevent leaks from entering the bay.
- Marinas are encouraged to provide electricity to boaters through sub-meters
- Marina owner/employees and boaters are encouraged to conduct/attend emergency spill response procedures training.
- Marina operators will encourage boaters to use Household Hazardous Waste facilities and will educate boaters on locations and times of temporary collection events.
- Boaters should not be allowed to have open fires and barbecues on the docks, unless approved by the marina manager.

## **Marina Debris**

Proper waste handling and disposal are an integral part of the good housekeeping practices that must be implemented at all marinas. Waste should be managed in designated areas that are covered where feasible and/or designed to limit run-on and runoff and/or be located away from the storm water conveyance system. Wastes should also be stored in covered, leak-proof containers.

## **Regional Regulations**

*SWRCB, San Diego Order No. 2001-01, NPDES No CAS0108758 (Oceanside, Mission Bay, San Diego Bay). Order No R9-2002-000 NPDES No CAS0108740 (Dana Point Harbor).*

*Port of San Diego Code Section 8.50*

*City of San Diego Municipal Code Section 63.20.5*

*City of Oceanside Municipal Code Section 29A.20 (A)*

*County of Orange Code Section 2-2-163*

## **Marina Best Management Practices**

- Require immediate cleanup of spills of chemicals, pesticides, fertilizers and soils.
- Require boaters to use trays for all potted plants set on the docks to prevent watering from entering the bay.
- Recommend mixing fertilizers and potting of plants on land, not on the dock.
- Ensure pets are not permitted to run free within the marina.
- Ensure pet owners clean up after their pets in the marina.
- All pet waste will be properly disposed of in toilet or trash.

### Marina Debris (cont.)

- Marinas will be encouraged to provide disposal bags for pet owners to use when disposing of pet waste in the dumpsters.
- Encourage the cleaning of parking areas, especially where deposits have accumulated, with sand or other acceptable material, and then swept up.

### Boaters Best Management Practices

- Boaters can prevent overboard disposal by returning everything not eaten to shore for disposal.
- Boaters should remember what is put into the water should be something they would not mind swimming with.

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## **Boat Sewage Discharge**

Use of marine sanitation holding tanks in an improper manner can result in sewage entering the water. Both improperly installed marine sanitation devices and improper disposal practices (pumping overboard within three nautical miles of the nearest land) are illegal. Sewage from boats is more concentrated than that from either combined sewer overflows or sewage treatment plants because marine sanitation systems use little water for flushing. Boaters and marinas have a vested interest in clean waters, since the livelihood of marinas and the recreational benefits boaters derive from use of the waters are clearly linked to clean water.

## **Regional Regulations**

**U. S. Environmental Agency “No Discharge Zone” includes San Diego Bay, Mission Bay, Oceanside Harbor and Dana Point Harbor.**

*Federal Clean Water Act Section 312 (f) (3)*

*San Diego Unified Port District Code Section 8.50*

*City of San Diego City Code*

*City of Oceanside City Code Chapter 29A, Article 11, Section 29A.20*

*County of Orange Code Section 2-2-163*

## **Marina Best Management Practices**

- If a marina operates a pump out facility, install adequate signs to identify the station, its location and hours of operation.
- Provide the service at convenient times and at a reasonable cost.
- Make the pump out station user friendly.
- Develop and adhere to a regular inspection and maintenance schedule for the pump out station.
- Provide educational information about the pump out station to boaters.

### Boat Sewage Discharge (cont.)

- Enforce existing local, state and federal regulations pertaining to Marine Sanitation Devices and the illegal discharge of boat sewage.
- Post and make available to boaters a list of local pump out locations.

### Boater Best Management Practices

- Boater should report any illegal discharge of boat sewage to the marina office or appropriate agency.
- Marine holding tanks should always be used properly.
- Boaters should use environmentally sensitive cleaning supplies in order to help alleviate gray water concerns.
- Boaters should never pump out any holding tank inside the three nautical mile limit.
- Don't dump food or fish waste within 12 nautical miles of shore.

### Boat Pump out Locations

California Yacht Marina	Chula Vista	619-422-2595
Chula Vista Launching Ramp	Chula Vista	619-691-1860
Chula Vista Marina	Chula Vista	619-691-1860
Loews Coronado Bay Resort	Coronado	619-424-4000
Glorietta Bay Marina	Coronado	619-435-5203
Cabrillo Isle Marina	San Diego	619-297-6222
Cortez Fuel Dock	San Diego	619-291-5985
Harbor Island West Marina	San Diego	619-291-6440
Islandia Hotel Marina	San Diego	619-224-1234
Laurel Street Landing	San Diego	619-686-6332
Marina Village Marina	San Diego	619-224-3125
National City Launching Ramp	San Diego	619-686-6272
Pearsons Marine Service	San Diego	619-222-7084
San Diego Harbor Police	San Diego	619-686-6272
Sea World Marina	San Diego	619-226-3915
Sheraton East Hotel Marina	San Diego	619-291-2900
Sunroad Resort Marina	San Diego	619-574-0736
Oceanside - Coast Guard Dock	Oceanside	760-435-4000
Oceanside -Transient Dock	Oceanside	760-435-4000
Dana Point Fuel Dock	Dana Point	714-496-6113
Dana Point Harbormaster	Dana Point	714-496-1094
Dana Point - West Marina	Dana Point	714-493-6222

## **Solid Waste**

Solid waste can collect at marinas and boat ramp sites if litter is not continuously picked up, if trash receptacles are not provided or conveniently located and/or insufficient attention is given to controlling waste produced during boat cleaning, maintenance and repair activities.

Marinas that appear clean are more attractive to customers. Substantial clean up costs can be replaced by small initial investments in trash collection and preventive practices. Providing sufficient waste receptacles, separating waste into classes of recyclables and preventing litter are all accepted practices and are part of customer service and environmentally friendly management at marinas.

## **Regional Regulations**

*SWRCB, San Diego Order No. 2001-01, NPDES No CAS0108758 (Oceanside, Mission Bay, San Diego Bay). Order No R9-2002-000 NPDES No CAS0108740 (Dana Point Harbor).*

*Port of San Diego Code Section 8.50*

*City of San Diego Municipal Code Section 63.20.5*

*City of Oceanside Municipal Code Section 29A.20(A)*

*County of Orange Code Section 2-2-163*

## **Marina Best Management Practices**

- Keep litter picked up.
- Place trash receptacles and dumpsters in convenient locations for boaters and guests.
- Use covered dumpsters and trashcans so they do not fill up with rainwater, do not blow in heavy winds and are less likely to be invaded by scavenging mammals and birds.
- Keep trash enclosures clean and free of debris.

### **Solid Waste (cont.)**

- Keep cleanup equipment and materials available.
- Inspect trash storage areas weekly.
- Dispose of all solid wastes in accordance with local, state and federal laws and regulations.
- Provide facilities for the eventual recycling of appropriate materials, such as glass, aluminum, plastic, trash, newspapers and batteries.
- Use pamphlets, flyers, newsletters, inserts and/or meetings to convey the importance of any environmental precautions that the marina has instituted.
- Use signs to inform boaters about equipment, disposal containers, cleaning practices, etc. Special instructions should be clearly noted.

### **Boater Best Management Practices**

- Do not dump plastic or any other trash into the water.
- Use the dumpsters, trash receptacles and other approved containers to dispose of garbage and other waste.
- When conducting in water hull or bottom cleaning, bring or ask your diver to bring the old zinc anodes to the shore for disposal or recycling.

## **Liquid Waste**

Dirty oil can be recycled, cleaned and used again. Recycled used motor oil can reduce the threat of its entrance into storm drains and pollution of groundwater and water bodies and/or it being poured onto the ground or tossed into trash receptacles and polluting the soil. Adequate storage and disposal facilities are important if the used oil and variety of other liquid materials boater use and store on their vessels are to be kept out of the environment.

### **Regional Regulations**

*SWRCB, San Diego Order No. 2001-01, NPDES No CAS0108758 (Oceanside, Mission Bay, San Diego Bay). Order No R9-2002-000 NPDES No CAS0108740 (Dana Point Harbor).*

*Port of San Diego Code Article 10*

*City of San Diego Municipal Code Article 3, Div 3, Section 43.0301*

*City of Oceanside Municipal Code Chapter 40*

*County of Orange Code Sections 9-1-10 to 9-1-127*

### **Marina Best Management Practices**

- Maintain an oil spill response plan and have spill containment/cleanup supplies readily accessible.
- Train marina employees in oil response.
- Provide a waste oil collection site for marina boaters when practicable.
- Maintain a log of the quantities and sources for all waste oil collected.
- Locate the disposal area away from flood areas and fire hazards.
- Provide clearly labeled, separate containers for waste oils and other materials that are collected at the site.
- Accept used oil filters at the waste oil collection site.

### **Liquid Waste (cont.)**

- Drain the used oil filters before disposal by placing the filter in a funnel.
- Use proper signs to direct boaters on the proper handling and disposal of motor oil.
- Encourage boaters to use local Household Hazardous Waste collection sites for all hazardous waste and provide contact information.
- Store minimal quantities of hazardous materials.
- Use alternative environmentally safe liquid materials when possible.
- Insert language into slip lease agreements or yacht club rules requiring the proper disposal of liquid waste.
- Maintain a liquid waste spill plan and update as necessary.
- Keep adequate spill response equipment and materials in strategic locations.

### **Boaters Best Management Practices**

- Dispose of used oil and oil filters in an approved collection station on shore.
- Use oil-absorbent pads to soak up oily bilge water and dispose at an approved collection station.
- Check for traces of oil before pumping out the bilge.
- Encourage boaters to encase replaced oil in a ridged container, oil filters in plastic bags and use drip pans and absorbent pads while doing the replacements.

**Liquid Waste (cont.)**

- Clean bilges and remove loose containers of paint and oil based products before hauling vessel
- Know where the marina's spill response equipment is stored.

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## **Fish Waste**

The amount of fish waste disposed into a small enclosed basin such as a marina can exceed that which exists naturally in the water at any one time. In sufficient quantities where water circulation is restricted, the decomposition of this fish waste can deplete the water of dissolved oxygen, leading to water quality degradation and fish kills. It is therefore necessary to promote sound fish waste management through a combination of fish-cleaning restrictions, public education and proper disposal of fish waste.

### **Regional Regulations**

*SWRCB, San Diego Order No. 2001-01, NPDES No CAS0108758 (Oceanside, Mission Bay, San Diego Bay). Order No R9-2002-000 NPDES No CAS0108740 (Dana Point Harbor).*

*Port of San Diego Code Article 10*

*City of San Diego Municipal Code Article 3, Div 3, Section 43.0301*

*City of Oceanside Municipal Code Chapter 40*

*County of Orange Code Sections 9-1-10 to 9-1-127*

### **Marina Best Management Practices**

- Educate boaters regarding the importance of proper fish cleaning practices.
- Establish fish cleaning stations with trash receptacles.
- Provide signage at fish cleaning stations.
- Encourage boaters to dispose of unwanted bait offshore and to eviscerate (gut) fish and dispose of contents at sea.

### **Boaters Best Management Practices**

- Clean fish only at fish cleaning station.
- Clean fish using proper fish cleaning practices.

**Fish Waste (cont.)**

- Dispose of unwanted bait offshore.
- Eviscerate (gut) fish and dispose of contents at sea.

Score Sheet - Page 41



## **Hazardous Materials**

Improper handling of hazardous materials can cause harm to human health and the environment and can result in serious penalties and expensive clean-up costs if contaminations occur.

### **Regional Regulations**

*SWRCB, San Diego Order No. 2001-01, NPDES No CAS0108758 (Oceanside, Mission Bay, San Diego Bay). Order No R9-2002-000 NPDES No CAS0108740 (Dana Point Harbor).*

*Port of San Diego Code Article 10*

*City of San Diego Municipal Code Article 3, Div 3, Section 43.0301*

*City of Oceanside Municipal Code Chapter 40*

*County of Orange Code Sections 9-1-10 to 9-1-127*

### **Marina Best Management Practices**

- Develop and maintain a Hazardous Materials Management Plan and maintain waste disposal records for a minimum of three years.
- Store, manage and dispose of hazardous materials and waste legally.
- Store hazardous materials off the ground and covered with an impervious surface (e.g. roof, tarp, etc.).
- Keep hazardous material containers and drums in good condition and closed securely.
- Clean up and dispose of spills and leaks promptly and properly.
- Provide spill control material and empty containers for emergency clean up.
- Contract with an approved hazardous materials hauler for periodic disposal.

### **Hazardous Materials (cont.)**

- Segregate material to ensure that only materials that are hazardous are handled as such.
- Use snap top funnels to ensure that containers and tanks are properly closed after materials are added and clearly label containers and tanks in order to avoid mixing incompatible materials.
- Designate an emergency coordinator and train personnel who handle hazardous materials in proper management procedures and emergency response in case of a fire or spill.
- Post the phone number of the emergency coordinator and the local fire department.
- Follow all emergency procedures to address spills and fires.

### **Boaters Best Management Practices**

- Hazardous wastes generated by recreational boaters are considered household hazardous waste.
- Dispose of household hazardous waste in properly marked containers if provided by the marina or at the nearest appropriate site.

## **Storm Water Runoff**

Marinas should annually conduct a storm water pollution prevention training that focuses on employee responsibility for creating, managing and updating the Best Management Practices that prevent storm water pollution. This training should discuss good housekeeping, preventive maintenance, spill prevention and response and material management practices.

## **Regional Regulations**

*SWRCB, San Diego Order No. 2001-01, NPDES No CAS0108758 (Oceanside, Mission Bay, San Diego Bay). Order No R9-2002-000 NPDES No CAS0108740 (Dana Point Harbor).*

*Port of San Diego Code Article 10*

*City of San Diego Municipal Code Article 3, Div 3, Section 43.0301*

*City of Oceanside Municipal Code Chapter 40*

*County of Orange Code Sections 9-1-10 to 9-1-127*

## **Marina Best Management Practices**

- Develop a Storm Water Pollution Prevention Plan.
- Maintain materials and equipment such as booms and absorbent pads needed for a storm water spill response and ensure they are readily available.
- Report spills that have entered or have a potential to enter the storm drain system or a water body to appropriate agencies.
- Provide signage adjacent to storm drain inlet to discourage illegal dumping of pollutants.
- Prohibit vehicle maintenance in marina parking lots.
- Prohibit vehicle washing in marina parking lots.

### Storm Water Runoff (cont.)

- Provide signs adjacent to parking lots that prohibit littering, dumping and/or vehicle servicing/cleaning.
- Develop and implement regular sweeping/cleaning program.
- Reduce or eliminate landscaping and irrigation runoff into the storm drain or water body.

Score Sheet - Page 43



Clean Marina Program

**Clean Marina Program Score Sheets**

<b>Emergencies</b>						
	<b>Mandatory</b>		<b>Additional</b>		<b>N/A</b>	<b>Comment</b>
	<b>Points</b>	<b>Score</b>	Points	Score		
1. Marina has an Emergency Action Plan.	<b>10</b>					
2. Marina prepared for spill cleanups.			10			
3. All staff receives ongoing training regarding emergency procedures.			10			
4. Provides boater education for:						
• Boat fire extinguishers			5			
• Safe boat maintenance			5			
• Continuous ventilation			5			
<b>Emergencies Points</b>	<b>10</b>		<b>35</b>			

BMPs - Page 7

**Clean Marina Program Score Sheet**

<b>Petroleum Containment</b>						
	<b>Mandatory</b>		<b>Additional</b>		<b>N/A</b>	<b>Comment</b>
	<b>Points</b>	<b>Score</b>	<b>Points</b>	<b>Score</b>		
1. Marina has a Fuel & Oil Spill Prevention & Containment Plan	<b>10</b>					
2. Prohibits the use of detergents and emulsifiers on fuel spills.			10			
3. Clause in leasing agreement that requires boaters to use oil-absorbing materials in their bilges.			10			
4. Initiated an absorbent pad exchange program for slip holders.			10			
5. Provides boater education for:						
• Filling fuel containers			5			
• Appropriate engine maintenance			5			
• Appropriate use of oil absorbent materials			5			
• Appropriate bilge pumping			5			
<b>Petroleum Containment Points</b>	<b>10</b>		<b>50</b>			

Clean Marina Program

**Clean Marina Program Score Sheet**

<b>Topside Boat Maintenance &amp; Cleaning</b>						
	<b>Mandatory</b>		<b>Additional</b>		<b>N/A</b>	<b>Comment</b>
	<b>Points</b>	<b>Score</b>	<b>Points</b>	<b>Score</b>		
1. Enforces rules and regulations regarding boat maintenance while in the slip.	<b>10</b>					
2. Provides boater education for:						
• Doing only minor maintenance in slips (<25% of deck length)			20			
• Recovering & disposing of sanding dust			10			
• Environmentally safe cleaning & painting			10			
• Spill avoidance			10			
<b>Topside Boat Maintenance &amp; Cleaning Points</b>	<b>10</b>		<b>50</b>			

BMPs - Page 11

Clean Marina Program

**Clean Marina Program Score Sheet**

<b>Underwater Boat Hull Cleaning</b>						
	<b>Mandatory</b>		<b>Additional</b>		<b>N/A</b>	<b>Comment</b>
	<b>Points</b>	<b>Score</b>	<b>Points</b>	<b>Score</b>		
1. Recommends nontoxic and legal hull paint to slip holders.	<b>10</b>					
2. Encourages the use of environmentally friendly hull cleaning companies who use Best Management Practices and monitor their divers.			20			
3. Provides boater education for:						
• Properly applying & maintaining hull paints.			5			
• Waiting 90 days before cleaning.			5			
• Properly repaired bonding problems.			5			
• Regularly scheduled maintenance using BMPs.			5			
• Encourage divers to use least abrasive pads for type of growth.			5			
<b>Underwater Boat Hull Cleaning Points</b>	<b>10</b>		<b>45</b>			

**Clean Marina Program Score Sheet**

<b>Marina Operations</b>						
	<b>Mandatory</b>		<b>Additional</b>		<b>N/A</b>	<b>Comment</b>
	<b>Points</b>	<b>Score</b>	<b>Points</b>	<b>Score</b>		
1. Conducts or attends emergency spill response procedures training.	10					
2. Prohibits bicycles, motor scooters and motorbikes on the docks.	10					
3. Prohibits unattended open containers of paints and other maintenance supplies on the docks.	10					
4. Stores liquid marina supplies indoors or in covered containers.	10					
5. Cleans all spills immediately.	10					
6. Uses absorbent materials or other environmentally friendly methods to clean liquid spills.	10					
7. Berms off trash and recycling areas to prevent leaks from entering the waters.			10			
8. Provides boater education for:						
• Proper storage & disposal of materials.			5			
• Emergency spill response.			5			
• Household Hazardous Waste disposal site locations.			5			
<b>Marina Operations Points</b>	<b>60</b>		<b>25</b>			

Clean Marina Program

**Clean Marina Program Score Sheet**

<b>Marina Debris</b>						
	<b>Mandatory</b>		<b>Additional</b>		<b>N/A</b>	<b>Comment</b>
	<b>Points</b>	<b>Score</b>	<b>Points</b>	<b>Score</b>		
1. Requires immediate cleanup of chemical, pesticide, fertilizer and soil spills.	10					
2. Requires boaters to use trays under all potted plants on the docks.			10			
3. Requires that pets are not allowed to run unleashed in the marina.			10			
4. Requires that pet owners clean up after their pets.	10					
5. Supplies disposal bags for pet owners.			10			
6. Cleans parking lots using dry methods or methods in which wash water is recovered.			10			
7. Requires boaters to throw nothing illegal overboard.			10			
<b>Marina Debris Points</b>	<b>20</b>		<b>50</b>			

**Clean Marina Program Score Sheet**

<b>Boat Sewage Discharge</b>						
	<b>Mandatory</b>		<b>Additional</b>		<b>N/A</b>	<b>Comment</b>
	<b>Points</b>	<b>Score</b>	<b>Points</b>	<b>Score</b>		
1. Enforces existing local, state and federal regulations pertaining to marine sanitation devices and the illegal discharge of boat sewage.	10					
2. If marina provides onsite pumpout facility, ensure it is user friendly, open at convenient times and at a reasonable cost.			20			
3. Installs adequate signs on the pumpout.			10			
4. Inspects and maintains the pumpout regularly.			10			
5. Posts and makes available to boaters a list of local pumpout locations.			10			
6. Provides boater education for:						
• Proper use of marine sanitation devices.			10			
• Abiding by the Clean Water Act.			10			
<b>Boat Sewage Discharge Points</b>	<b>10</b>		<b>70</b>			

**Clean Marina Program Score Sheet**

<b>Solid Waste</b>						
	<b>Mandatory</b>		<b>Additional</b>		<b>N/A</b>	<b>Comment</b>
	<b>Points</b>	<b>Score</b>	<b>Points</b>	<b>Score</b>		
1. Disposes of solid wastes in accordance with all local, state and federal laws and regulations.	10					
2. Keeps litter picked up			10			
3. Places trashcans and dumpsters in convenient locations.			10			
4. Covers trashcans and dumpsters.			10			
5. Keeps trash enclosures clean and free of debris.			10			
6. Keeps cleanup equipment and materials available.			10			
7. Conducts periodic inspections of trash storage areas.			10			
8. Provides recycling containers.			20			
9. Provides education to boaters for						
• Prohibition of dumping wastes into water.			10			
• Proper disposal of garbage, recyclables and other wastes.			10			
• Proper disposal of batteries and zinc anodes.			10			
<b>Solid Waste Points</b>	<b>10</b>		<b>110</b>			

**Clean Marina Program Score Sheet**

<b>Liquid Waste</b>						
	<b>Mandatory</b>		<b>Additional</b>		<b>N/A</b>	<b>Comment</b>
	<b>Points</b>	<b>Score</b>	<b>Points</b>	<b>Score</b>		
1. Maintains an oil spill response plan and has containment /cleanup supplies available.	10					
2. Trains marina employees in oil response.	10					
3. Slip lease agreements contain language requiring the proper disposal of liquid waste.	10					
4. Encourages boaters to use local Household Hazardous Waste collection sites.			10			
5. Uses environmentally safe liquid materials when possible.			10			
6. Provides a waste oil collection site.			20			
7. Maintains a log of all waste oil collected.			10			
8. Accepts used oil filters at the oil collection site.			20			
9. Stores minimal quantities of hazardous materials			10			
10. Provides education to boaters for:						
• Proper disposal of used oil & filters.			5			
• Checking bilge before pumping.			5			
• Proper oil changing techniques.			5			
• Spill response procedures.			5			
<b>Liquid Waste Points</b>	<b>30</b>		<b>100</b>			

Clean Marina Program

**Clean Marina Program Score Sheet**

<b>Fish Waste</b>						
	<b>Mandatory</b>		<b>Additional</b>		<b>N/A</b>	<b>Comment</b>
	<b>Points</b>	<b>Score</b>	<b>Points</b>	<b>Score</b>		
1. Establishes fish cleaning stations with trash receptacle. (If marina does not have onsite fish cleaning, see #4 below)			10			
2. Provide proper use signs at fish cleaning stations.			10			
3. Provides education to boaters for:						
• Importance of proper fish cleaning techniques.			5			
• Disposal of unwanted bait offshore.			5			
• Eviscerate (gut) fish and dispose of contents at sea.			5			
4. Bans the cleaning of fish in marina, if on-site cleaning station is not provided.			20			
<b>Fish Waste Points</b>	<b>0</b>		<b>55</b>			

**Clean Marina Program Score Sheet**

<b>Hazardous Materials</b>						
	<b>Mandatory</b>		<b>Additional</b>		<b>N/A</b>	<b>Comment</b>
	<b>Points</b>	<b>Score</b>	<b>Points</b>	<b>Score</b>		
1. Marina has a Hazardous Materials Management Plan and disposal records on file.	20					
2. Has a designated emergency coordinator and trained personnel who handle hazardous materials in proper management procedures and emergency response.			10			
3. Contracts with an approved hazardous materials hauler for periodic disposal.			10			
4. Stores, manages and disposes of hazardous materials and waste legally.			10			
5. Stores hazardous materials off the ground and covered with an imperious surface (e.g. roof, tarp, etc.).			10			
6. Keeps hazardous material containers and drums in good condition and closed securely.			10			
7. Clean up and dispose of spills and leaks promptly and properly.			10			
8. Provides spill control material and empty containers for emergency clean up.			10			
9. Segregates material to ensure that only materials that are hazardous are handled as such.			10			
10. Uses snap top funnels to ensure that containers and tanks are properly closed after materials are added and clearly label containers and tanks in order to avoid mixing incompatible materials.			10			
<b>Hazardous Materials Points</b>	<b>20</b>		<b>90</b>			

**Clean Marina Program Score Sheet**

<b>Storm Water Runoff</b>						
	<b>Mandatory</b>		<b>Additional</b>		<b>N/A</b>	<b>Comment</b>
	<b>Points</b>	<b>Score</b>	<b>Points</b>	<b>Score</b>		
1. Marina has a Storm Water Pollution Prevention Plan	10					
2. Maintains materials and equipment needed for storm water spill response.			10			
3. Report spills that have a potential to enter the storm drain system or a water body to the appropriate agencies.			20			
4. Prohibits vehicle washing & maintenance in marina parking lots.	10					
5. Provides signs adjacent to parking lots that prohibit littering, dumping and/or vehicle servicing/cleaning.			10			
6. Developed and implemented a regular sweeping/cleaning program.			10			
7. Provides signage adjacent to storm drain inlet to discourage illegal dumping of pollutants.			10			
8. Reduced or eliminated landscaping and irrigation runoff into the storm drain or water body.			20			
<b>Storm Water Runoff Points</b>	<b>20</b>		<b>80</b>			

Clean Marina Program

**Clean Marina Program Score Sheet**

Category	Section Page #	Mandatory		Additional		N/A	Comment
		Points	Score	Points	Score		
Emergencies	8	10		35			
Petroleum Containment	9	10		50			
Topside Boat Maintenance and Cleaning	12	10		50			
Underwater Boat Hull Cleaning	14	10		45			
Marina Operations	16	60		25			
Marina Debris	18	20		50			
Boat Sewage Discharge	20	10		70			
Solid Waste	22	10		110			
Liquid Waste	24	30		100			
Fish Waste	27	0		55			
Hazardous Materials	29	20		90			
Storm Water Runoff	31	20		80			
<b>TOTAL</b>		<b>210</b>		<b>760</b>			
<b>POINTS NEEDED</b>		<b>210</b>		<b>494</b>			
<b>PASS / FAIL</b>							

\* Mandatory points needed 100% = 210 points

\*Additional points needed 65% = 494 points minimum

\*Remember to subtract N/A BMPs from Additional point total before calculating percentage score.

Example: Mandatory                      Additional  
                  210 Total                              760 Total Points  
                  210 Pts. Needed                      -120 N/A Points (Hypothetical)  
                     640

Divide total points needed into actual score to obtain percentage.

## **Appendix A - Regulations**

### **Pertinent Marina & Boater Codes and Regulations**

#### **International Regulations**

MARPOL 73/78 (International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978)

[http://imo.org/Conventions/mainframe.asp?topic\\_id=258&doc\\_id=678](http://imo.org/Conventions/mainframe.asp?topic_id=258&doc_id=678)

#### **United States Federal Regulations**

Clean Water Act (U.S. Code, Title 33, Chapter 26 Water Pollution Prevention and Control)

<http://www4.law.cornell.edu/uscode/33/ch26.html>

#### **State of California Regulations**

California Harbors And Navigation Code

<http://www.leginfo.ca.gov/cgi-bin/calawquery?codesection=hnc&codebody=>

Emergency Action plan - State of California Department of Industrial Relations, Subchapter 7 General Industry Safety Orders, Group 1. General Physical Conditions and Structures Orders, Article 2. Standard Specifications, §3220

<http://www.dir.ca.gov/title8/3220.html>

Porter-Cologne Water Quality Control Act (Cal. Water Code, Division 7)

[http://www.swrcb.ca.gov/water\\_laws/docs/portercologne2003.pdf](http://www.swrcb.ca.gov/water_laws/docs/portercologne2003.pdf)

#### **San Diego Region 9 Water Quality Control Board Regulations**

[R9-2002-0001](#) Orange County Municipal Storm Water Permit

[http://www.swrcb.ca.gov/rwqcb9/orders/order\\_files/Final\\_R9-2002-0001  
with Attachments.pdf](http://www.swrcb.ca.gov/rwqcb9/orders/order_files/Final_R9-2002-0001_with_Attachments.pdf)

## Appendix A - Regulations (cont.)

### Pertinent Marina & Boater Codes and Regulations

[2001-01 San Diego Municipal Storm Water Permit  
http://www.swrcb.ca.gov/rwqcb9/orders/order\\_files/Order No. 2001-01  
Final Amended.;df](http://www.swrcb.ca.gov/rwqcb9/orders/order_files/Order_No.2001-01_Final_Amended.;df)

#### Local Regulations

San Diego Unified Port District various codes  
[http://www.portofsandiego.org/sandiego\\_about/documents/SDUPD  
CODE.pdf](http://www.portofsandiego.org/sandiego_about/documents/SDUPD_CODE.pdf)

City of San Diego various codes  
<http://clerkdoc.sannet.gov/Website/mc/mc.html>

City of Oceanside various codes  
[http://livepublish.municode.com/2/lpext.dll?f=templates&fn=main-hit-  
j.htm&2.0](http://livepublish.municode.com/2/lpext.dll?f=templates&fn=main-hit-j.htm&2.0)

County of Orange various codes  
[http://livepublish.municode.com/3/lpext.dll?f=templates&fn=altmain-nf-  
hitlist.htm&2.0](http://livepublish.municode.com/3/lpext.dll?f=templates&fn=altmain-nf-hitlist.htm&2.0)

**Appendix B - Resources**

Appendix C - Signage Examples

SIGNAGE - PETROLEUM SPILL RECOVERY PLAN

# If A Spill Occurs

Block spill access to  
water with buckets,  
sorbent pads & rings

Clean up your  
spills immediately with  
sorbent materials

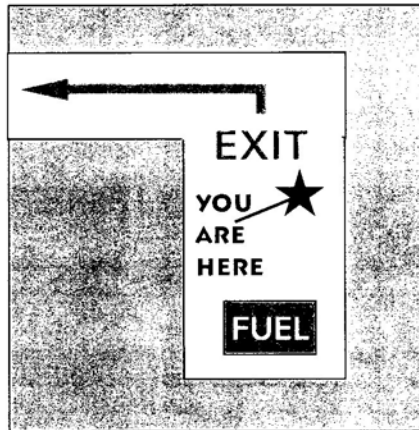
**NOTIFY DOCKMASTER**

Post signage about how to handle spilled fuel.

**Contain oil and diesel and notify appropriate agency,  
but allow gasoline to gently and rapidly disperse.  
Call 911 where appropriate.**

**SIGNAGE - FIRE SAFETY**

After Fueling,  
Open Hatches,  
Ports & Doors  
--  
Turn on Bilge Blower  
and Ventilate at  
Least 5 Minutes



Evacuation plan for people



Signage to prohibit smoking near fueling areas



Post emergency numbers  
such as U.S. Coast Guard, local Port Authority  
and your local fire department in a visible location

Passengers are  
Encouraged to  
Disembark Inboard  
Gasoline  
Powered Vessels  
While Fueling

**SIGNAGE - FUEL WASTE MANAGEMENT**



Label containers used to store petroleum products. This could be stenciled onto existing containers. The container should also have secondary containment.



Label containers used to store petroleum waste. This could be stenciled onto existing containers.

**Contact your local DEP District office for information regarding local companies that collect and recycle waste oil, gas, filters, etc.**

SIGNAGE - BOAT CLEANING - IN THE WATER

## CLEAN GENTLY

Use the least quantity of cleaner, twice as much doesn't mean twice as clean

Use non-toxic products

Check our marina store for enviro-friendly products



Boat cleaning in the water methods should be posted on signs and prominently displayed for marina customers. These methods should be available to hand out to customers at the ship's store.

USEFUL TRASH AND WASTE MANAGEMENT

NO PLASTIC BAGS ACCEPTED

**PLEASE  
RECYCLE**

---

[List items  
that your county  
recycles here]

Provide convenient trash disposal and recycling facilities to marina patrons.

Covered dumpsters or other covered receptacles are preferred. Ensure that an adequate number of clearly marked receptacles are placed in the marina and on the docks.

Implement recycling and trash reduction programs for appropriate materials, such as glass, aluminum, plastic, trash, newspapers, batteries and oil.

**WE RECYCLE**

---

PLEASE HELP BY  
PLACING ALUMINUM  
CANS IN THE  
**RED MARKED**  
RECEPTACLES

**PLEASE DO NOT PLACE  
HAZARDOUS MATERIALS  
(i.e. PAINT, THINNER, SOLVENTS or FLARES)  
IN TRASH CANS**

**SERVICE DEPT --  
NOTIFY YOUR EMPLOYER  
OF ALL ACCIDENTS**

**EMERGENCIES  
PHONE NUMBERS**

**All Emergencies:  
Bob 555-1234**

**Fire: 911  
Ambulance: 911  
Police: 911**



**CHARACTERISTICS**

- Ignitable
- Corrosive
- Reactive
- EP toxicity

**A solid waste which exhibits any of these characteristics is a hazardous waste whether or not listed**

Provide signs to help staff determine which waste streams are hazardous using process knowledge, product knowledge or testing.

**TANKS**

**compatible  
secondary containment**

**check level of waste  
inspect for leaks**

**CONTAINERS**

- good condition
- compatible with stored waste
- keep lids on
- check for leaks
- handle with care

Provide signs as a reminder that the containers must be compatible for the type of waste stored within.

**ALL CONTRACTORS  
AND OUTSIDE  
LABOR MUST  
CHECK IN AT  
DOCKMASTER'S OFFICE**

Have all contractors/mechanics sign an environmental agreement which outlines how all materials are to be handled when on marina property. Do not allow contractors on the property who do not sign or have violated the terms of the agreement.

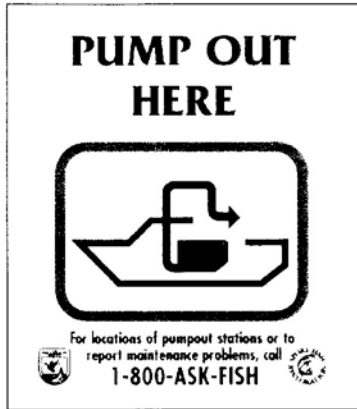
**DO NOT  
DISPOSE OF OIL, FILTERS  
PAINT, FLARES OR  
FUEL INTO  
THIS CONTAINER**

---

contact office for  
disposal info

Post signs by solid waste receptacles that prohibit disposal of hazardous waste

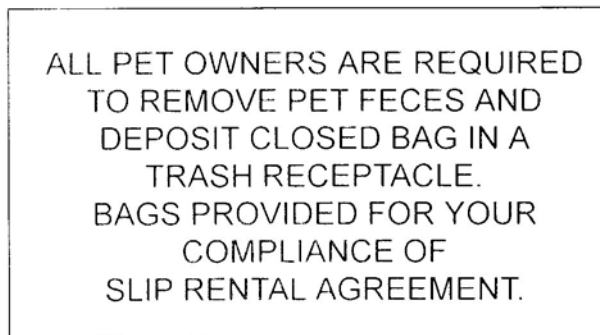
**SIGNAGE - SEWAGE AND GRAY WATER**



For all marinas with pumpout facilities, post visible signage indicating pumpouts (and dump stations) are available.



Encourage boaters to use shoreside facilities.



Provide signage for proper disposal of marina patron's animal waste.

**Appendix D - Acknowledgements**

**Appendix E - Letters of Endorsement**