NC CLEAN MARINA PROGRAM

North Carolina Boatyard Application

The purpose of the North Carolina Clean Marina program is to give marina and boatyard facilities a chance to be recognized for their efforts towards environmental responsibility. It also gives customers a way of identifying facilities that are following best management practices. The program is strictly voluntary, but it shows that your facility cares about the environment.

A **BOATYARD** IS QUALIFIED IN THE Clean marina Program as:

A facility without wet boat storage that provides a repair or refinishing site for hull, mechanical or electrical work on vessels. This work may entail the use of resins, paints, lubricants, solvents or other hazardous materials and my require an air permit, industrial waste water permit or stormwater permit for areas other than vehicular parking. This includes boat retailers that service boats.

To participate in the Clean Marina Program for Boatyards, fill out the enclosed application identifying all the way that a clean environment is promoted at your boatyard. There are several areas where your boatyard must be using best management practices (BMP's) in order to be identified as a Clean Boatyard. If your facility qualifies on paper, a Clean Marina Program representative will visit your site to visually identify BMP's implemented at your facility.

When it has been verified that your facility meets the Clean Boatyard criteria, you will be issued a Clean Boatyard flag and Clean Boatyard Certificate, identified on the Clean Marina website (including a link to your website) and you will be able to use the Clean Boatyard logo in all of your publications. Re-certification of your facility by a Clean Marina representative is required every two years to renew your standing.

Please send completed applications to: N.C. Clean Marina Program
400 Commerce Ave.
Morehead City, NC 28557

Or contact Pat Durrett, Clean Marina Program coordinator at 252-808-2808 Ext. 228, or e-mail pat.durrett@ncdenr.gov.

CLEAN MARINA PROGRAM PARTNERS:

Division of Coastal Management
NC National Estuarine Research Reserve
NC Boating Industry Services
NC Division of Water Quality
North Carolina Sea Grant
North Carolina Big Sweep
Albemarle-Pamlico National Estuary

PROBLEM: HAZARDOUS WASTE

Oil and other hazardous materials spilled into waters through point sources or storm drains introduces toxins to aquatic life. These can be ingested or can coat species, disrupting normal body functioning. If proper disposal areas are not provided, patrons might dispose of hazardous materials directly on the ground or in a dumpster leaving the marina owner liable if the chemical explodes or if contamination of soils and groundwater occur.

BMP:

Locate and design fueling stations and hazardous waste usage areas to contain spills to a limited area. Develop a spill contingency plan. Design containment around fuel and hazardous materials storage areas. Have adequate spill containment and cleanup equipment onsite (booms, absorbent pads, gloves, etc). Use automatic shutoffs on fuel dispensers and promote the use of oil absorbing material in bilges. Provide separate, accessible containers for waste and used fuel recycling.

APPLICABLE RULES:

EPA requires a Spill Prevention containment and contingency plan for facilities storing 42,000 gallons underground or a combined above ground storage of 1,320 gallons. Tanks must have adequate containment to hold a spill from the largest storage tank plus room for precipitation, and tanks must be made out of an impermeable material. Dispensing nozzles used at marine service stations shall be of the automatic-closing type without a latch-open device (2000 NC Fire Code (IFC) SECTION 2209.3.3). Used oil containers must be stored on impervious surfaces with secondary containment (berm or double-walled tanks). Hazardous wastes collected on site must be contained in well-labeled covered containers.

PROBLEM: BOAT MAINTENANCE ACTIVITIES

The scraping, painting and power washing of boats leaves debris on the ground that washes into waterways or contaminates surrounding soils and groundwater. Power washing removes antifouling paint from boat bottoms and results in the generation of industrial wastewater that must be contained and disposed of properly. Wash water that drains to surface waters is considered to be an illegal discharge under the federal Clean Water Act and causes toxic levels of metals from bottom paint to enter adjacent waters, resulting in violations of water quality standards. This wastewater contains concentrated metals that degrade water quality, are harmful to aquatic life and accumulate in bottom sediments.

BMP's:

SCRAPING AND PAINTING:
Provide designated work areas as far away as possible from surface waters, stormwater systems, ditches or other modes of transport to surface waters. Ensure that work areas are clearly marked, have impermeable surfaces (e.g. concrete or plastic tarps) and that all solid waste is collected ad properly disposed of at the end of each workday (or sooner if rain is expected). Nearby storm drains should also be covered until all solid waste is removed to prevent waste from being washed into surface waters.

Perform abrasive blasting in spray booths or plastic tarp enclosures. Use vacuum sanders and provide vacuum sanders for use by patrons. Paint scrapings may be considered a hazardous waste and should be disposed of accordingly. Work should be done inside when possible to help contain contaminants and prevent residues from washing into surface waters. Provide proper disposal areas and always keep non-hazardous waste separate from hazardous waste. Contact the NCDENR Division of Waste Management for further information regarding solid waste disposal (919)508-8400 or http://wastenotnc.org/).

POWERWASHING:
Provide and clearly mark a designated wash down and pressure washing area with an impermeable surface that does not drain to surface waters, or direct wastewater over land and cause infiltration into groundwater. Wash water is considered to be a process wastewater and must be collected pretreated and directed to a sanitary sewer, permitted through non-discharge means such as recycling, or hauled off for proper disposal be a licensed contractor. Discharge to a septic system is prohibited. Contact the North Carolina Department of Environment and Natural Resources (NCDENR), Division of Water Quality for further information and wastewater disposal option (919-807-6300 or http://portal.ncdenr.org/web.wq).

APPLICABLE RULES:
The unpermitted discharge of any pollutant into surface waters is prohibited, as is the discharge of toxic pollutants in toxic amounts (Clean Water Act 33 USC 1251). In addition, the discharge of pressure washing wastewater to surface waters, a storm sewer, sanitary sewer, or the ground is a regulated activity requiring a permit from the NCDENR Division of Water Quality.

Boat maintenance areas shall be designed so that all scraping, sandblasting, and painting is done over dry land with adequate containment devices to prevent entry of waste materials into adjacent waters (NCAC 15A 07H.0208b (5)(N)).All solid waste generated from boat maintenance activities shall be collected daily and properly disposed of in accordance with NCDENR, Division of Waste Management regulations.

PROBLEM: EDUCATION AND TRAINING
Lack of boater and employee education in the potential environmental hazards and pollutants contribute to the improper discharge of waste.

BMP:
Public education, outreach and training programs should be instituted including providing and posting written material on proper fueling, sewage dumping, fish cleaning, trash disposal and other Clean Marina activities. Distribute “A Boater’s Guide to Protecting North Carolina’s Coastal

Waters,: available from the Division of Coastal Management. Ensure that all patrons receive a copy of the marina policies regarding various activities at the facility. Require all employees to read the "Best Management Practices for North Carolina Marinas," available from the Division of Coastal Management a t 252-808-2808 or www.dcm2.enr.state.us/Marinas/clean.htm. Ensure that all employees, subcontractors and doo-it-yourselfers receive a copy of the marina policies regarding various activities at the facility.

Clean Boatyard Application

A Boatyard is a facility <u>without boat dockage</u> that provides a repair or refinishing site for hull, mechanical or electrical work on vessels. This work may entail the use of resins, paints, lubricants, solvents or other hazardous materials and may require an air permit, industrial waste water permit or storm water permit for areas other than vehicular parking. This includes boat retailers that service boats.

Please note that this application applies only to boatyards. If your facility is a marina that provides the boatyard services indicated above,* ***please use the Marina/Boatyard application**.*

Please complete the following checklist as a self-assessment of the activities that occur at your boatyard. This form will also be used by the NC Clean Marina Representative to verify the checklist and compile data about your boatyard. **Please include a map of your entire facility and required checklist items**.

Clean Boatyard certification will be presented to those boatyards that achieve a minimum score required in each section (80%). While it is not necessary to implement all of the recommended practices, <u>certain BMPs are required (marked with a star</u> ***** **)** to be recognized as Clean Boatyard.

Scoring will be based only on applicable items. A not applicable option (NA) is offered in order to indicate which items do not apply to your operation and will not be counted against you in the evaluation. If you do not provide painting service for example, indicate this by "NA" in the appropriate sections. There is a space at the end of each section to explain why a particular BMP would not apply or if an alternative management strategy is being used. You can also use this space to clarify answers and offer additional information about your boatyard's facilities.

Clean /Boatyards will be recertified every two years to maintain their Clean Boatyard status. The Clean Marina program requires that all Clean Boatyards comply with all applicable permit conditions. Any Notice of Violation (NOV) not resolved in due course may jeopardize the facility's standing as a Clean Boatyard. The program encourages boatyards to work closely with district offices to ensure compliance when making any changes or renovations to their facility.

Name of Boatyard: _____

Mailing Address: _____

_____

Phone: _____ Fax: _____E-mail: Website: _____

Contact Person: _____

County: _____ River basin: _____ Water body: _____

Check One

This application is for a _____New Facility _____Recertification

Those facilities requesting recertification need only fill out areas of the application where items have changed.

FACILITY INFORMATION:

Does your boatyard offer the following? (Please check all that apply)

___ Boat retail ___ Boat yard ___ Boat Ramp

___ Dry stack storage ___ Haul out facility ___ Repair services

___ Power washing

Approximate number of annual Pressure Washed Boats**:** _____

Do you have a system installed to treat the discharge from pressure washwater? Indicate type of system:

Are you required to have the following? Please submit a copy of each with your Application.

___ **N.C. Coastal Area Management Act (CAMA) Permit**
Required for all development in Areas of Environmental Concern (AEC's). Administered by N.C. Division of Coastal Management.

___ **National Pollutant Discharge Elimination System (NPDES)/General Stormwater Permit NCG190000**
Permit required for facilities that discharge stormwater through a point source on their property directly into the water basin. Administered by N.C. Division of Water Quality.

___ **Spill Prevention Control and Countermeasure (SPCC) plan**
Required for facilities storing fuel 42,000 gallons underground, or any single above ground tank larger than 1,320 gallons or the aggregate total above ground storage is over 1,320 gallons. Regulated by Environmental Protection Agency.

Number and size (gallons) of storage tanks: _____

___ **Emergency Planning and Community Right-to-Know Act (EPCRA)**
Requires that marinas with 10,000 pounds or more of petroleum (approximately 1,250 gallons) file "SARA Tier Two" forms with emergency response agencies by March 1 of each year.

BOAT MAINTENANCE ACTIVITIES

BOAT CLEANING

Yes/No/NA

____ Allow in-water boat maintenance only when **no** debris will fall in the water.
____ Do not allow underwater work, including the removal of seaweed and marine debris, where paints can be released in the waters.
____ Use biodegradable and phosphate-free cleaners, or other environmentally-friendly products for boat maintenance. Promote the use of water as a natural cleaner.
____ Provide educational information on proper boat maintenance to customers.
____★ Obtained stormwater permit for boat maintenance facilities with point source discharges (NPDES/General Stormwater Permit). **(Include with application)**
____ Provide an oil/water separation service to filter bilge water or use filters, absorbent bilge socks etc. in all boats to ensure that no oily water will be discharged when in boatyard.

PRESSURE WASHING

Yes/No/NA

____★ Wastewater from powerwashing activities is not discharged to surface waters or onto dry land.
____★ Have a designated, impermeable surfaced, area for powerwash activities that minimizes the impacts of powerwashing **(Indicate on map).**
_____Pressure-wash over a bermed, impermeable surface that allows wastewater to be captured for proper treatment or disposal.
____ Properly dispose of filters, sludge or industrial wastewater (dependent on system) from pressure-washing activities by a licensed, industrial waste hauler.

PAINT REMOVAL
Yes/No/NA
____★ Have designated area for boat repair and maintenance, not allowing work to be done in any other location **(Indicate on map).**
____★ Hull maintenance areas are cleaned at the end of each workday (or sooner if rain is expected) and trash, sandings and paint chips are disposed of properly.
____★ Require tarps or impervious surface under boats while they are being serviced on land
_____Use vacuum sanders.
_____Cover storm drains near the work area to prevent waste from entering the water system. Abrasive blasting is done in spray booths or plastic tarp enclosures.

PAINT CHIPS AND DUST
Yes/No/NA
_____Clearly designate receptacles to receive sanding dust and paint chips and properly dispose of the materials.
____Staff, subcontractors and do-it-yourselfers are required to clean up their work areas after they perform hull maintenance.

PAINTING
Yes/No/NA
_____Prohibit spray painting during windy conditions.
_____Store paint and solvents in labeled, fire proof area.
_____Mix paints and solvents in designated area, away from water.
_____Have absorbents and spill equipment readily available for immediate cleanup.
_____Allow empty paint cans to dry before disposal *(Liquid paint is considered hazardous waste).*
_____Use traditional paint methods (brush or roller), a high-volume low-pressure (HVLP) spray gun, or enclose the area with a spray booth or tarp.

ENGINE MAINTENANCE/ REPAIR
Yes/No/NA
____ Engine repairs are done inside, or over a drip pan or impervious surface.
____ Staff/mechanics are trained to respond to accidental spills.
____ Spill response cleanup equipment and absorbent materials are readily available.
____ Post emergency phone numbers by engine repair area.
____ Solvent soaked and oily rags are recycled by an industrial laundry service or disposed of as hazardous waste.

OTHER BOAT MAINTENANCE BEST MANAGEMENT PRACTICES: *(Indicate alternative solutions or site-specific conditions precluding the need for one of the items listed above)*

TOTAL BOAT MAINTENANCE CATEGORY SCORE:

___ # OF YES RESPONSES / ___ NUMBER OF APPLICABLE ITEMS X 100 = ___ %

HAZARDOUS MATERIALS HANDLING AND STORAGE

HAZARDOUS WASTE
Yes/No/NA

____ Procedures in place for the proper management and disposal of hazardous wastes generated.
____★ Have separate, well-labeled containers for all hazardous liquids with proper containment, if you accept these wastes **(Indicate on map).**
____★ Facilities with storage tanks in excess of ten thousand pounds of hazardous materials (including gas and diesel) have filed EPCRA Tier II report as of March 1st of each year.
____★ Have a spill response plan (SPCC). *Required for an aggregate above ground storage capacity greater than 1,320 gallons; or a total underground storage capacity greater than 42,000 gallons of petroleum. (40CFR 112 SPCC Rule)* **(Submit with application).**
____★ Have a spill prevention and response plan if SPCC not required **(Submit with application).**
____★ Have spill containment equipment on site (booms, absorbent pads etc.).
____★ Have trained 100% of employees in spill response steps.
____ Post emergency response phone numbers, including spill response numbers (Coast Guard Spill Response Center, local fire and police department and DENR office).

USED PETROLEUM PRODUCTS
Yes/No/NA

_____Have oil recycling program in place.
____★ Have closed containers, drums or tanks labeled "used oil" if you accept it **(Indicate on map).**
____★ Used oil containers are stored inside or protected from the weather (roof, lid).
____★ Used oil containers are double-walled or stored on an impervious surface with secondary containment capable of holding 110% of largest container.
_____ Used oil filters thoroughly drained and placed in containers labeled "used oil filters."
_____ Used oil and oil filters are hauled to a permitted facility for recycling or proper disposal.

USED ANTIFREEZE WASTE
Yes/No/NA

_____Store used antifreeze in labeled containers if you accept it.
_____Used antifreeze recycled on-site or hauled to permitted facility for recycling.

SOILED RAGS
Yes/No/NA

_____Soiled rags stored in fire proof, labeled containers until laundered or disposed.

BATTERY MANAGEMENT
Yes/No/NA

____★ Used batteries stored with caps closed, on an impervious surface and protected from the weather, if collection service offered.
____★ Collected, used batteries are sent off-site for recycling.

MERCURY LAMPS/ BILGES
Yes/No/NA
_____Recycle discarded fluorescent and HID lamps used in the boatyard.
_____Recycle bilge switches that contain mercury.

OTHER HAZARDOUS MATERIALS BEST MANAGEMENT PRACTICES: *(Indicate alternative solutions or site-specific conditions precluding the need for one of the items listed above)*

TOTAL HAZARDOUS MATERIALS CATEGORY SCORE:
___ # OF YES RESPONSES / ___ NUMBER OF APPLICABLE ITEMS X 100 = ___ %

SOLID WASTE

TRASH AND RECYCLING
Yes/No/NA
_____Provide trash cans, bins and dumpsters that are covered, well-marked and labeled in convenient locations around the boatyard **(indicate on map).**
_____Conduct a daily trash pickup within the boatyard.
_____Post a sign near dumpsters with instructions of how/where to properly dispose of hazardous waste (used oil, lead batteries, old gasoline, and diesel).
_____Have labeled recycling containers for materials such as aluminum, plastic, newspaper **(Indicate on map).**

OTHER SOLID WASTE BEST MANAGEMENT PRACTICES: *(Indicate alternative solutions or site-specific conditions precluding the need for one of the items listed above)*

TOTAL SOLID WASTE CATEGORY SCORE:
___ # OF YES RESPONSES / ___ NUMBER OF APPLICABLE ITEMS X 100 = ___ %

STORMWATER MANAGEMENT

STORMWATER MEASURES
Yes/No/NA
____★ Marina has National Pollution Discharge Elimination System (NPDES) /General NCG19 Stormwater permit through the Division of Water Quality.
_____Uses stormwater management procedures to reduce the concentration of pollutants entering surface waters (ex. brick pavers, vegetation, buffers, sloped areas, wetlands, bioretention ponds).
_____Minimize use of lawn and garden chemicals to the greatest extent possible

OTHER STORMWATER BEST MANAGEMENT PRACTICES: *(Indicate alternative solutions or site specific conditions precluding the need for one of the items listed above)*

TOTAL STORMWATER CATEGORY SCORE:
___ # OF YES RESPONSES / ___ NUMBER OF APPLICABLE ITEMS X 100 = ___ %

SAFETY AND EMERGENCY PLANNING

EMERGENCY RESPONSE
Yes/No/NA
_____ Have first aid/lifesaving equipment readily available.
_____ Have regular emergency/spill training for employees.
_____ Post emergency numbers in appropriate, easy to access area.
____★ Maintain files on Material Safety Data Sheets as required by OSHA.
____★ Have SARA Tier II reports on file if have greater than 1,320 gallons petroleum onsite (**Submit with application)**
_____ Have adequate lighting for security and safety.
_____ Have theft prevention - identify type: _____

SPILL RESPONSE
Yes/No/NA
____★ In compliance with petroleum storage requirements (See Best Management Practices).
____★ Have a spill response plan (SPCC). Required for an aggregate above ground storage capacity greater than 1,320 gallons; or a total underground storage capacity greater than 42,000 gallons. (40CFR 112 SPCC Rule) **(Submit with application).**
____★ Have a spill prevention and response plan if SPCC not required **(Submit with application).**
____★ Have spill containment equipment on site (booms, absorbent pads etc.).
____★ Have trained 100% of employees in spill response steps.
_____ Post signs about spill response measures, including spill response numbers (Coast Guard Spill Response Center, local fire and police department and DENR office) in area accessible to all boaters.

HURRICANE PREPAREDNESS
Yes/No/NA
____★ Have a hurricane preparation plan in place for boatyard **(Submit with application).**
_____ Acquaint employees and subcontractors with hurricane preparation plan.

FIRE SAFETY
Yes/No/NA
____Have clearly marked and readily available firefighting equipment throughout the yard.

SUBCONTRACTORS
Yes/No/NA
____★ Subcontractors sign a contract stating that they must comply with maintenance policies.
____★ Ensure that subcontractors have adequate insurance for spill liability.
____★ Subcontractors sign a contract to adhere to marina hazardous waste handling policies.

OTHER SAFETY AND EMERGENCY PLANNING BEST MANAGEMENT PRACTICES: *(Indicate alternative solutions or site-specific conditions precluding the need for one of the items listed*

above)

TOTAL SAFETY AND EMERGENCY PLANNING CATEGORY SCORE:

 _____# OF YES RESPONSES / ___ NUMBER OF APPLICABLE ITEMS X 100 = ___ %

BONUS POINTS

If your boatyard provides any of the following innovative services, your boatyard may be awarded one bonus point per item towards your overall score.

_____Stencil storm drains to prohibit dumping into water system.
_____Compost appropriate onsite waste.
_____Recycle items not mentioned in application (ex. Scrap metal)
_____Other:

Total bonus points: ____

SCORING
The minimum required score for each category is 80%. If you have not met the requirements for this program, please contact the Clean Marina Program for further assistance in upgrading your facility to Clean Marina standards. Please remember to clarify answers using the extra space provided and indicate why a particular BMP would not apply or if an alternative management strategy is being used.

Category	**Self-Assessment Score** (Completed by Marina	**Marina Certification Score** (Completed by Clean Marina Program)
Boat Maintenance Activities	%	%
Hazardous Materials Storage and Handling	%	%
Solid Waste	%	%
Stormwater Management	%	%
Safety & Emergency Response	%	%
Bonus Points	%	%

If your score is equal or greater than the minimum score of 80% required for each category, mail or fax the entire checklist to:

North Carolina Clean Marina Program
400 Commerce Ave.
Morehead City, NC
Phone: (252) 808-2808
Fax: (252) 247-3330

Verified by NC Clean Marina Representative:

_____ **On** _____