

Steamboat Wharf Marina
Standard Operating Procedure:
Hull Maintenance; Bottom Prep and Bottom Painting

Department:	Service Department	
Procedure:	Hull Maintenance; Bottom Prep and Bottom Painting	
Date Issued:	January	2006
Date Revised:	January	2021

Purpose of Procedure:

To outline a safe procedure for routine hull maintenance including bottom prep, sanding, and bottom painting, and to reduce any potential environmental impacts from these activities.

Steps of (SOP) Standard Operating Procedure

Designated Activity Areas: All hull maintenance activities shall be conducted indoors when possible. Whenever maintenance activities are not conducted indoors they must be performed in designated areas of the marina and all procedures below must be followed. No underwater cleaning of hulls is allowed. Note: if performed on the pressure wash pad the valve connecting the pressure wash trenches to the stormwater system must be shut closed to prevent any contaminants from reaching the stormwater system.

Bottom Preparation

- All hull painting, scraping, and cleaning will be done indoors *if possible* or in a manner not to contaminate surrounding environment.
- Prep area under boats by spreading out drop cloths to catch scrapings and other debris produced during maintenance work.
- Visually inspect the bottom of boat with supervisor to determine best method for sanding, scraping, and preparing the bottom of boat for painting.
- Employees must wear safety glasses, gloves, and air-purifying respirator (APR) at all times.
- Assemble materials needed; scrapers sandpaper, masking tape, and dustless vacuum system. Dustless vacuum system must be used for all hull sanding applications.
- Customers are not allowed to sand or bottom paint boats in yard without notifying marina. They must follow guidelines provided by the marina including proper bottom preparation methods and rental of the dustless vacuum system from the marina.
- Perform bottom prep work as directed by service department manager.

Painting

- Check to make sure boat bottom is fully prepped and the water lines are taped off.
- Make sure area under boat is 100% covered with white filter cloth tarps.
- The service department manager will provide the appropriate paint for the application. Use the paint shaker to prepare the paint for applying to boat bottom.
- Collect materials needed for painting including; paint tray, stirrer, brush, roller, rags, and newspaper. Bring paint and materials to designated painting area.
- Use brush to paint the waterline and difficult to reach areas. Use the roller to apply paint to the large open surface areas.
- When bottom painting is complete. Pour remaining paint back into paint can, cover securely, and place in designated paint storage area. Empty cans should be allowed to fully air dry with lids off and then thrown in dumpster.
- Fold all tarps/drop cloths inward collecting any paint chips and debris in the center of tarps. Shake tarps out over dumpster, fold, and store.
- Dispose of any used rags, newspaper, paintbrushes, and rollers in the dumpster after they have air-dried.
- Spray painting shall not be allowed at the marina at any time.
- Oil-based paint cans, rollers, rags, brushes, etc. must be disposed of as hazardous waste.
- Paint spills shall be treated in the same manner as oil spills.

Appropriate Use and Storage of Hazardous Materials and Waste:

- Painting materials should be used according to manufacturers' instructions.
- Consult the Material Safety Data Sheets and Massachusetts hazardous waste regulations for proper product handling and disposal of waste.
- Keep covers and caps on paints, thinners, and solvents to minimize the release of Volatile Organic Compounds (VOCs).
- Outside contractors and boat owners working on their boats must follow the procedures set forth in this SOP.
- All marina employees should be on the lookout to make sure all marina procedures are being followed by contractors and boat owners.

Materials or Tools Needed:

Bottom Prep Materials: Scrapers, dustless vacuum sander, sanding discs, tarps.

Painting Materials: Brush, rollers, paint tray and liner, newspapers and rags.

Personal Protective Equipment: safety glasses, gloves, air-purifying respirator, hat, long sleeve shirt and pants, or Tyvek suit.

Evaluation of Procedure: The service manager will inspect and supervise all bottom prep and painting work. The service manager advises on how to prepare the boat bottom, what paint to use, and inspect the quality of the work completed, and ensure these procedures are followed. This SOP shall be evaluated annually and updated as necessary.