



Vessel Wash Wastewater Treatment System Profile

Facility Information

Shore Point Marina and Yacht Sales

1 Corrigan Avenue

Bayville, NJ 08721

Contact: Ken Krauss, Ed Woodfield, Dave DiPaolo

Telephone: 732-244-2106

Fax: 732-244-0610

Shore Point Marina and Yacht Sales is a large, full-service marina that prepares approximately 200 boats annually for winter storage. Boats stored for the winter range from 16' - 42' in length with an average length of 30'. The vessel wash wastewater system is used predominantly during September through November with some minor use in the spring. Approximately 85% of the hulls washed are painted with a hard paint and the remaining 15% are typically painted with a soft ablative paint.

Treatment System Information

Shore Point Marina and Yacht Sales uses a homemade vessel wash wastewater system. A 30' x 60' concrete pad captures the wash wastewater; pretreatment to capture large solids begins with a small screen over a 1.5" drain pipe located near the bulkhead end of the pad.



Large solid debris can be easily removed with ease at the end of day or when necessary. The drain pipe leads to a diverter valve that can be used to redirect storm water to the surface water

Boats are washed over a concrete pad

Continued on reverse

when not washing vessels. From the diverter valve the pipe drains into a 1,000-gallon fiberglass underground storage tank. At the present time, water is collected in the tank and emptied when necessary. Currently, the water is returned to surface waters, but options such as recycling the water and connection to the sanitary sewer line to come into compliance are being considered.



Wash wastewater is collected in an underground storage tank where solids are settled.

Pros and Cons of System

Low cost for installation and materials. Owner used an existing out-of-use storage tank and modified the concrete pad and drain pipe already in place. Also, the simple design eliminated the need to deal with freezing. Additions to the system will need to be made for the system to meet regulatory requirements in the future.

Estimated Cost

Pre-treatment (Pads, filters, screens, tanks, etc.): N/A

Treatment System: Approximately \$5,000 for the purchase and installation of the underground storage tank and necessary materials.

Maintenance (Labor, filters, etc.)

The tank must be emptied approximately every two weeks and takes marina staff approximately 1.5 hours.

This fact sheet is the result of work sponsored by New Jersey Sea Grant with funds from the National Oceanic and Atmospheric Administration (NOAA) Office of Sea Grant, U.S. Department of Commerce, under NOAA grant number #NA06OAR417086 and New Jersey Marine Sciences Consortium/New Jersey Sea Grant with funds appropriated by the State of New Jersey. The statements, findings, conclusions, and recommendations are those of the author(s) and do not necessarily reflect the views of New Jersey Sea Grant or the U.S. Department of Commerce. NJSJG-08-698.

