

3.16.3 Vehicle Maintenance: Marine Service and Repair

Tip Sheet #1

WASTE ORIGIN: Equipment and Parts Cleaning

WASTE TYPES: Solvents

WASTE REDUCTION AND RECYCLING METHODS:

- ! Use **dry precleaning**.
 - ! Use **two-stage rinse** (pre-rinse in dirty solvent).
 - ! **Cover** tanks.
 - ! **Separate** cleaning agents.
 - ! **Recycle** solvents.
 - ! Replace solvent cleaners with **detergents** when possible.
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WASTE ORIGIN: Engine Repair

WASTE TYPES: Degreasers, Solvents, and Oils

WASTE REDUCTION AND RECYCLING METHODS:

- ! Use **aqueous degreasers**.
 - ! Use **longer-lasting fluids**.
 - ! Use dedicated **solvent sinks** for parts washing; plug when not in use.
 - ! **Separate** spent engine and lube oils.
 - ! **Recycle** oils and solvents.
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WASTE ORIGIN: Machining

WASTE TYPES: Cutting and Lubricating Fluids

WASTE REDUCTION AND RECYCLING METHODS:

- ! Use water soluble **cutting fluids**.
 - ! **Recycle** cutting and lubricating fluids.
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WASTE ORIGIN: Vessel Cleaning

WASTE TYPES: Cleaners

WASTE REDUCTION AND RECYCLING METHODS:

- ! Use **detergent** cleaning agents.
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WASTE ORIGIN: Refueling

WASTE TYPE: Spilled Fuel

WASTE REDUCTION AND RECYCLING METHODS:

- ! Watch the fuel tank to avoid **overflowing**.
- ! Be sure **fuel flow** has stopped before removing the fuel nozzle from the fill pipe.
- ! Provide a **drip pan** from the fuel nozzle.
- ! Be sure the proper type of fuel is selected to avoid **cross-contamination**.
- ! Practice **preventive maintenance** on the entire fueling system.

Sources:

Guides to Pollution Prevention: The Marine Maintenance and Repair Industry, U.S. EPA, October 1991, EPA/625/7-91/015.

Pollution Prevention for Marinas and Boat Yards: Best Management Practices for Wisconsin Operators, Solid and Hazardous Waste Education Center, University of Wisconsin-Extension, December 1994.