

Appendix B: Hazardous Waste Management_____ 105

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Preferred Disposal Options for Potential Hazardous Waste Streams __ 107

Preferred Disposal Options for Potential Hazardous Waste Streams

WASTE	<p>PREFERRED DISPOSAL OPTIONS</p> <p>If multiple options are listed, the first option (boldfaced) is the preferred method.</p>
<p><u>Aerosol Cans</u></p>	<ul style="list-style-type: none"> ◆ Aerosol cans should be punctured in a safety device: <ul style="list-style-type: none"> ○ Collect the residue; manage as potentially hazardous waste. ○ Punctured empty cans may be recycled under the scrap metal exemption (if your scrap recycler takes them). ◆ Un-punctured cans are considered reactive waste and therefore should be disposed of as hazardous waste.
<p><u>Antifreeze:</u></p> <ul style="list-style-type: none"> ◆ Propylene glycol (usually pink) ◆ Ethylene glycol (usually green) <p>Contact your waste hauler to confirm that they will accept mixed antifreeze.</p>	<ul style="list-style-type: none"> ◆ Recycle ◆ Hire a waste hauler to collect and dispose. ◆ Purchase an on-site recovery unit. Distillation systems are more expensive than filtration systems but are more efficient at renewing used antifreeze.
<p><u>Batteries - Lead</u> (encourage the use of maintenance free batteries)</p>	<ul style="list-style-type: none"> ◆ Recycle. Store on an impervious surface, under cover. Protect from the rain. Check frequently for leakage. ◆ Automotive batteries are exempt if recycled. ◆ Other batteries should be labeled as universal waste. ◆ If not recycled, batteries containing acid and heavy metals are hazardous waste.
<p><u>Containers</u></p> <ul style="list-style-type: none"> • Paint cans • Buckets • Spent caulking tubes 	<ul style="list-style-type: none"> ◆ Cans may be put in trash can as long as: <ul style="list-style-type: none"> ○ All material that can be removed has been. (For example, in a 55-gallon drum, no more than 1" of residue remains on the bottom or inner liner.) ○ Containers that held compressed gas are at atmospheric pressure. ○ Containers that held acute hazardous waste have been triple rinsed with the appropriate (as listed on the container) solvent. Properly dispose of the solvent.
<p><u>Flares – Expired Distress Signals</u></p>	<ul style="list-style-type: none"> ◆ Encourage boaters to keep onboard as extras. ◆ Store in well marked, fire safe container. Use expired flares to demonstrate to boaters how they are used. Be sure to notify the Coast Guard and fire department ahead of time. ◆ Encourage boaters to bring flares to a local fire department or household hazardous waste collection program. <p>If disposed of, the flares are hazardous waste.</p>
<p><u>Gasoline - Stale</u></p>	<ul style="list-style-type: none"> ◆ Add stabilizer in the winter to prevent gasoline from becoming stale, or add octane booster in the spring to rejuvenate it. Use the fuel. ◆ Mix with fresh fuel and use. ◆ Transport as non-hazardous waste if picked by a fuel blender to be used as fuel. ◆ Hire a hazardous waste hauler to collect and dispose of it.

<u>Glue and Liquid Adhesives</u>	<ul style="list-style-type: none"> ◆ Catalyze and dispose of as solid waste.
<u>Kerosene</u>	<ul style="list-style-type: none"> ◆ Filter and reuse for as long as possible, then recycle.
<u>Light Bulbs</u> <ul style="list-style-type: none"> • Fluorescent bulbs • Mercury vapor lamps • High-pressure sodium vapor lamps • Low-pressure sodium vapor lamps • Metal halide lamps 	<ul style="list-style-type: none"> ◆ Recycle if you have more than a few. ◆ These are considered universal waste if recycled. Label as universal waste and insure that light tubes do not break. <p>If not recycled, these materials may be hazardous waste</p>
<u>Mineral Spirits</u>	<ul style="list-style-type: none"> ◆ Filter and reuse. (DO NOT add to used oil to be burned in space heaters) ◆ If reuse not possible, then dispose of as hazardous waste
<u>Oil – Non-terneplated Filters</u>	<ul style="list-style-type: none"> ◆ Puncture and completely hot drain for at least 24 hours. Recycle the oil and the metal canister. ◆ If you do not recycle the canister, double-bag it in plastic and place it in your regular trash.
<u>Oil – Quart Cans</u>	<ul style="list-style-type: none"> ◆ Drain completely and dispose in regular trash. They cannot be recycled.
<u>Oil – Terneplated Filters</u> (used in heavy equipment and heavy-duty trucks)	<ul style="list-style-type: none"> ◆ Dispose of as hazardous waste (contains lead).
<u>Oil – Used Absorbent Material</u>	<ul style="list-style-type: none"> ◆ If oil and diesel is adequately absorbed, discard in trash. ◆ If it is saturated with gasoline, allow it to air dry and reuse.
<u>Oil – Waste Oil:</u> <ul style="list-style-type: none"> ◆ Engine oil ◆ Transmission fluid ◆ Hydraulic oil ◆ Gear oil ◆ #2 Diesel ◆ Kerosene 	<ul style="list-style-type: none"> ◆ Recycle with a registered used oil transporter. ◆ Use waste oil for space heating in approved used oil burner ◆ Take small quantities to household hazardous waste/CEG collection events. ◆ Contact your waste hauler to confirm that they will accept mixed oil.
<u>Paint Brushes</u>	<ul style="list-style-type: none"> ◆ Allow to dry completely. Dispose in regular trash or, if paint contains heavy metals above regulatory levels, treat as hazardous waste.
<u>Paints and Varnishes</u> <ul style="list-style-type: none"> ◆ Latex ◆ Water-based ◆ Oil-based 	<u>Water-based:</u> <ul style="list-style-type: none"> ◆ Allow to dry completely. Dispose of in regular trash. <u>Oil/Solvent Based:</u> <ul style="list-style-type: none"> ◆ Dispose of as hazardous waste. <u>Water Based and Oil Based:</u> <ul style="list-style-type: none"> ◆ Use leftover material for other projects, i.e., as an undercoat for the next boat. ◆ Encourage tenants to swap unused material.
<u>Pesticide Containers</u>	<ul style="list-style-type: none"> ◆ Must be rinsed – use rinsate as makeup for next batch of pesticide if possible or spray it out through sprayer. <p>Unrinsed containers are either hazardous waste or universal waste.</p>

<u>Pesticides</u>	<ul style="list-style-type: none"> ◆ Use only as product label specifies. <p>If disposed at a collection event or at hazardous waste facility unused pesticides may be a universal waste.</p>
<u>Pressure Washing Residue</u>	<ul style="list-style-type: none"> ◆ Dispose of as solid waste.
<u>Rags Soaked with Hazardous Substances</u>	<ul style="list-style-type: none"> ◆ Use rag service and do not dispose of rags. Wring rags out over a waste solvent collection container and keep in covered container until ready for pickup by an industrial laundry. Dispose of the solvent that collects in the bottom of the container as hazardous waste. ◆ If rag service is not used, perform hazardous waste determination and dispose of as hazardous waste if appropriate.
<u>Residue from Sanding, Scraping, and Blasting</u>	<ul style="list-style-type: none"> ◆ Evaluate this waste and document whether the residue is hazardous (e.g. does not contain metals or toxins). ◆ If it is not hazardous, dispose of as solid waste. ◆ If it contains metals, it is a hazardous waste or special waste and must be disposed of properly. ◆ If it contains tributyl tin it is a pesticide and considered a South Carolina State Hazardous Waste.
<u>Resins – Epoxy and Polyester</u>	<ul style="list-style-type: none"> ◆ Catalyze and dispose of as solid waste as long as it dries hard and has no free liquids and facility is a conditionally exempt generator (CEG) of hazardous waste.
<u>Scrap Metal</u>	<ul style="list-style-type: none"> ◆ Recycle.
<u>Sludge Recovered from a Hazardous Solvent</u>	<ul style="list-style-type: none"> ◆ Dispose of as hazardous waste.
<u>Sludge Recovered from a Non-hazardous Solvent</u>	<ul style="list-style-type: none"> ◆ Let sludge dry in a well-ventilated area, wrap in newspaper, and dispose of in garbage.
<u>Solvents</u> <ul style="list-style-type: none"> ◆ Paint and engine cleaners such as acetone and methylene chloride 	<ul style="list-style-type: none"> ◆ Reuse as long as possible and then recycle. ◆ Consider a distillation unit for recycling solvents. ◆ Use less toxic alternatives to avoid disposal issues. ◆ Dispose of as hazardous waste. <p>DO NOT add to used oil to be burned in space heaters.</p>
<u>Used Bio-remediation Bilge Booms</u>	<ul style="list-style-type: none"> ◆ Discard in regular trash as long as no liquid is dripping. Because the microbes need oxygen to function, do not seal in plastic.

