

TABLE AM-01-1
QUICK REFERENCE FOR DISPOSAL ALTERNATIVES

All of the waste products on this chart are prohibited from discharge to the storm drain system. Use this matrix to decide which alternative disposal strategies to use; alternatives are listed in order of priority. Additional information can be obtained from the Office of Solid Waste website or from various brochures printed by the City of Knoxville.

- Key: COK (Engr) - City of Knoxville Engineering Department, Water Quality Hotline (215-4147), Suite 480 City County Building.
 HHW - Household Hazardous Waste Collection Center (Knoxville and Knox County residents) at 1033 Elm Street, 215-6700.
 KUB (SS) - Public sanitary sewer system by Knoxville Utilities Board (KUB), 524-2911, or another utility operator if applicable.
 LHW - Licensed hazardous waste contractor, contact Solid Waste Office at 215-2921.
 RC - Recycling Centers (Food City, Goodwill, Kroger), contact Solid Waste Office at 215-2921.
 SWMF - Solid Waste Management Facility (Knoxville residents and businesses only), waste transfer station, recycling and disposal, 1033 Elm Street, 215-6700.

“Dispose to sanitary sewer” means dispose into sink, toilet, or sanitary sewer cleanout connection.

“Dispose as trash” means dispose in dumpsters or trash containers for pickup and eventual disposal in landfill.

“Dispose as hazardous waste” for business/commercial contract with a hazardous waste hauler to remove and dispose.

The following brochures contain more detailed information for recycling and disposal of common materials. This information is also available from the Knoxville Solid Waste Office website located at <http://www.cityofknoxville.org/solidwaste/>

- Clean Builder’s Guide
- Household Hazardous Waste Collection Center
- Recycling Guide
- Solid Waste Management Facility
- Where Do I Take It?

DISCHARGE/ACTIVITY	BUSINESS / COMMERCIAL / INDUSTRIAL / CONSTRUCTION		RESIDENTIAL
	Disposal Priorities	Contact	Disposal Priorities
A. Painting and Paint Removal			
Excess paint (oil-based)	1. Recycle or reuse. 2. Dispose as hazardous waste.	---- LHW	1. Recycle or reuse. 2. Take to HHW drop-off.
Excess paint (water-based)	1. Recycle or reuse. 2. Dry residue in cans, dispose as trash. 3. If volume is too much to dry, dispose as hazardous waste.	---- LHW	1. Recycle or reuse. 2. Dry residue in cans, dispose as trash. 3. If volume is too much to dry, take to HHW drop-off.
Paint cleanup (oil-based)	Wipe paint out of brushes, then: 1. Filter & reuse thinners and solvents. 2. Dispose as hazardous waste.	---- LHW	Wipe paint out of brushes, then: 1. Filter & reuse thinners and solvents. 2. Take to HHW drop-off.

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Paint cleanup (water-based)	Wipe paint out of brushes, then rinse to sanitary sewer.	----	Wipe paint out of brushes, then rinse to sanitary sewer.
Empty paint cans (dry)	Remove lids, dispose as trash.	----	Remove lids, dispose as trash.
Paint stripping (with solvent)	Dispose as hazardous waste.	LHW	Take to HHW drop-off.
Non-hazardous paint scraping / sand blasting	Dry sweep, dispose as trash.	----	Dry sweep, dispose as trash.
Hazardous paint scraping / sand blasting (such as marine paints or paints containing lead or tributyl tin)	Dry sweep, dispose as hazardous waste.	LHW	Dry sweep, take to HHW drop-off.
Cleaning of building exteriors which have hazardous materials, such as mercury or lead, in paint (generally older buildings)	1. Use dry cleaning methods and dispose as hazardous waste. 2. Contain and dispose washwater as hazardous waste (dry material first to reduce volume).	LHW LHW	Do not perform; contact a licensed contractor.
B. General Construction and Cleaning			
Cleaning of building exteriors that do not contain hazardous materials or paint (such as high-pressure water)	1. Prevent entry into storm drain and remove offsite for disposal. 2. Collect (usually mop up or vacuum) and discharge to sanitary sewer. 3. Wash onto dirt area, mix into soil.	LHW KUB (SS) ----	Do not perform; contact a licensed contractor.
Soil stockpiles and sediments	1. Cover disturbed soils, use erosion controls, block entry to storm drain. 2. Seed or plant immediately.	---- ----	1. Cover disturbed soils, use erosion controls, block entry to storm drain. 2. Seed or plant immediately.
Excess fresh cement, grout, mortar	1. Recycle or reuse. 2. Incorporate into fill areas or bury. 3. Dispose to trash.	---- ---- ----	1. Use or reuse. 2. Incorporate into fill areas or bury. 3. Dispose to trash.
Washwater from concrete or mortar cleanup, or aggregate wash from driveways or patio construction	1. Wash onto dirt area, spade in and mix. 2. Pump and remove to appropriate disposal facility. 3. Settle and pump water to sanitary sewer.	---- ---- KUB (SS)	1. Wash onto dirt area, spade in and mix. 2. Pump and remove to appropriate disposal facility. 3. Settle and pump water to sanitary sewer.
Rinsewater from concrete mixing trucks	1. Return truck to yard for rinsing into pond or dirt area. 2. Rinse truck into a prepared pond or dirt area at construction site. Clean area after drying.	---- ----	Do not perform; contact a licensed contractor.
Non-hazardous construction and demolition debris	1. Recycle or reuse (concrete, wood, etc.). 2. Dispose as trash.	---- ----	1. Recycle or reuse (concrete, wood, etc.). 2. Dispose as trash.

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Hazardous demolition and construction debris (such as asbestos)	Dispose as hazardous waste. Contact an asbestos removal service for safe removal and disposal.	LHW	Contact an asbestos removal service for safe removal and disposal. Even small amounts of asbestos are an extreme health hazard.
Saw-cut slurry	<ol style="list-style-type: none"> 1. Use dry-cut methods, sweep up residue. 2. Vacuum slurry and dispose offsite. 3. Block storm drain as necessary to allow most solids to settle. Shovel gutters and dispose residue to dirt area or landfill. 	<p>----</p> <p>----</p> <p>----</p>	Do not perform; contact a licensed contractor.
Construction dewatering (Non-turbid, uncontaminated groundwater)	<ol style="list-style-type: none"> 1. Recycle or reuse if not contaminated. 2. Discharge to storm drain. 	<p>----</p> <p>COK (Engr)</p>	<ol style="list-style-type: none"> 1. Recycle or reuse if not contaminated. 2. Discharge to storm drain.
Construction dewatering (Turbid and uncontaminated groundwater)	<ol style="list-style-type: none"> 1. Recycle or reuse if not contaminated. 2. Dewater through filters (see AM-12). 3. Treat and discharge to sanitary sewer. 	<p>COK (Engr)</p> <p>COK (Engr)</p> <p>KUB (SS)</p>	Do not perform; contact a licensed contractor.
Construction dewatering (Contaminated groundwater)	<ol style="list-style-type: none"> 1. Treat and discharge to sanitary sewer. 2. Collect and handle as hazardous waste. 	<p>KUB (SS)</p> <p>LHW</p>	Do not perform; contact a licensed contractor.
Portable toilet waste	Leasing company shall dispose to sanitary sewer with permission from KUB.	Toilet vendor	Do not perform; contact a licensed contractor.
Leaks from garbage dumpsters	<ol style="list-style-type: none"> 1. Collect and contain leaking material. Eliminate leak, keep covered, return to leasing company for immediate repair. 2. If dumpster is used for liquid waste, use plastic liner. 	<p>Dumpster vendor</p> <p>----</p>	Do not perform; contact a licensed contractor.
Dumpster cleaning water	<ol style="list-style-type: none"> 1. Clean at dumpster owner's facility and discharge waste through grease interceptor to sanitary sewer. 2. Clean on site and discharge through grease interceptor to sanitary sewer. 	<p>Dumpster vendor</p> <p>KUB (SS)</p>	Do not perform; contact a licensed contractor.
Leaks from construction debris bins	Verify that bins are used for dry non-hazardous materials only. Use fencing to help prevent misuse.	----	Do not perform; contact a licensed contractor.
Potable water line flushing or hydrant testing	Deactivate chlorine by maximizing time water will travel before reaching creeks. Impound as necessary.	----	Deactivate chlorine by maximizing time water will travel before reaching creeks. Impound as necessary.
Super-chlorinated (above 1 ppm) water from water line flushing or from swimming pools	<ol style="list-style-type: none"> 1. Discharge to sanitary sewer. 2. Complete dechlorination required before discharge to storm drain. 	<p>KUB (SS)</p> <p>----</p>	<ol style="list-style-type: none"> 1. Discharge to sanitary sewer. 2. Complete dechlorination required before discharge to storm drain.

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Cleaning streets in construction areas	<ol style="list-style-type: none"> 1. Dry sweep, minimize tracking of mud. 2. Use silt pond or sediment-trapping techniques when flushing pavement. 	---- ----	Do not perform; contact a licensed contractor.
Cleaning driveways and paved areas <ul style="list-style-type: none"> • Small vehicle leaks • Food or food product wastes (Special focus is on restaurant alleys, grocery dumpsters, food handling areas)	<ol style="list-style-type: none"> 1. Dry sweep and dispose as trash. 2. Follow this 3-step process: <ol style="list-style-type: none"> a) Clean up leaks with rags or absorbents. b) Using granular absorbent material (cat litter) and then sweep. c) Mop and dispose of mopwater indoors to sanitary sewer. 	---- ----	<ol style="list-style-type: none"> 1. Dry sweep and dispose as trash. 2. Follow this 3-step process: <ol style="list-style-type: none"> a) Clean up leaks with rags or absorbents. b) Using granular absorbent material (cat litter) and then sweep. c) Mop and dispose of mopwater indoors to sanitary sewer.
Steam cleaning of driveways, sidewalks, plazas	<ol style="list-style-type: none"> 1. Collect all washwater and pump to sanitary sewer. 2. Follow this 3-step process: <ol style="list-style-type: none"> a) Clean up leaks with rags or absorbents. b) Sweep (use dry absorbent as needed). c) Using no soap, discharge to storm drain. 	KUB (SS) COK (Engr)	Do not perform; contact a licensed contractor.
C. Landscape and Garden Maintenance			
Pesticides	<ol style="list-style-type: none"> 1. Use completely. Rinse containers and use rinsewater as product. Dispose rinsed container as trash. 2. Dispose unused pesticide as hazardous waste. 	---- LHW	<ol style="list-style-type: none"> 1. Use completely. Rinse containers and use rinsewater as pesticide. Dispose rinsed container as trash. 2. Take unused pesticide to HHW drop-off.
Garden clippings	<ol style="list-style-type: none"> 1. Compost as mulch and use onsite. 2. Take to landfill. 	---- ----	<ol style="list-style-type: none"> 1. Compost as mulch and use onsite. 2. Take to city yard waste contractor.
Tree trimming	Chip as necessary before composting or recycling.	----	Chip as necessary before composting or recycling.
Emptying a swimming pool, spa or fountain	Do not use metal-based algicides such as copper sulfate when using option 3. <ol style="list-style-type: none"> 1. Recycle or reuse (such as irrigation). 2. Determine when chlorine residual = 0 and then discharge to sanitary sewer. 3. Determine when chlorine residual = 0, wait 24 hours and then discharge to storm drain. 	---- KUB (SS) COK (Engr)	Do not use metal-based algicides such as copper sulfate when using option 3. <ol style="list-style-type: none"> 1. Recycle or reuse (such as irrigation). 2. Determine when chlorine residual = 0 and then discharge to sanitary sewer. 3. Determine when chlorine residual = 0, wait 24 hours and then discharge to storm drain.
Cleaning a swimming pool, spa or fountain with acid or other types of cleaners	Neutralize and discharge to sanitary sewer.	KUB (SS)	Do not perform; contact a licensed contractor.

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Backwash for a swimming pool, spa or fountain	<ol style="list-style-type: none"> Reuse for irrigation. Dispose on grassy or dirt area. Settle and dispose to sanitary sewer. 	<p>----</p> <p>----</p> <p>KUB (SS)</p>	<ol style="list-style-type: none"> Use for landscape irrigation. Dispose on grassy or dirt area. Settle and dispose to sanitary sewer.
D. Vehicle Wastes			
Used motor oil	Use secondary containment while storing and transporting, send to recycler.	Recycler	Take to HHW or auto service facility with recycling program.
Antifreeze	Use secondary containment while storing and transporting, send to recycler.	Recycler	Take to HHW or auto service facility with recycling program.
Other vehicle fluids and solvents	Dispose as hazardous waste.	LHW	Take to HHW drop-off.
Automobile batteries	<ol style="list-style-type: none"> Exchange / dispose at a retail outlet. Take to city SWMF. 	Recycler SWMF	<ol style="list-style-type: none"> Exchange / dispose at a retail outlet. Take to HHW drop-off.
Used tires	<ol style="list-style-type: none"> Exchange / dispose at a retail outlet. Take to city SWMF. 	Recycler SWMF	<ol style="list-style-type: none"> Exchange / dispose at a retail outlet. Take to city SWMF.
Vehicle or equipment washing	<ol style="list-style-type: none"> Recycle using enclosed system. Discharge to sanitary sewer. 	<p>----</p> <p>KUB (SS)</p>	<ol style="list-style-type: none"> Take vehicle to commercial car wash. Wash over lawn or dirt area. Use soap sparingly. Use a bucket for soapy water and discharge remaining soapy water to sanitary sewer.
Rinsewater from car rental fleets or at car retail lots	<ol style="list-style-type: none"> Discharge to sanitary sewer. If rinsing dust from exterior surfaces for appearance purposes, use no soap (water only) and discharge to storm drain. 	<p>KUB (SS)</p> <p>----</p>	Not applicable.
Vehicle repair or maintenance facilities (auto shops, gas stations, auto parts stores)	<p>Follow this 3-step process:</p> <ol style="list-style-type: none"> Clean up leaks with rags or absorbents. Sweep, using granular absorbent Material (cat litter). Mop and dispose of mopwater to Sanitary sewer. <p>Contact the Water Quality Hotline if any liquids or materials are discharged to ditch, storm drainage system, or natural stream.</p>	<p>----</p> <p>COK (Engr)</p>	Same procedure as commercial facilities. Generally do not perform automotive work at home.
E. Other Wastes			
Cleanup wastewater from sewer backup	Block storm drain, then collect and return spilled material to sanitary sewer. Rinse remaining material to a collection point and pump to sanitary sewer.	KUB (SS)	Block storm drain, then collect and return spilled material to sanitary sewer. Rinse remaining material to a collection point and pump to sanitary sewer.

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Roof drains	<ol style="list-style-type: none"> 1. Discharge to sanitary sewer if rainwater is contaminated from roofing materials or deposition of air-borne pollution. 2. If no contamination is present, discharge to open pervious fields leading to storm drain. 	<p>KUB (SS)</p> <p>----</p>	Dispose to open pervious lawns before roof drainage flows into storm drain.
Cooling water or air conditioning condensate	<ol style="list-style-type: none"> 1. Recycle or reuse. 2. If no contamination is present, discharge to open pervious fields leading to storm drain. 	<p>----</p> <p>----</p>	Dispose to open pervious fields leading to storm drain.
Pumped groundwater or infiltration drainage which is contaminated	<ol style="list-style-type: none"> 1. Treat and discharge to sanitary sewer. 2. Treat and discharge to storm drain. Possible reuse may be considered depending on extent of pollutants. 	<p>KUB (SS)</p> <p>COK (Engr)</p>	Do not perform; contact a licensed contractor to determine extent of pollution.
Carpet cleaning solutions, mobile washing services	Dispose to sanitary sewer.	KUB (SS)	Dispose to sanitary sewer.
Kitchen grease	<ol style="list-style-type: none"> 1. Collect and provide secondary containment. Send to recycler. 2. Collect and treat with grease trap or other BMPs, prior to discharging to sanitary sewer. 	<p>Recycler</p> <p>KUB (SS)</p>	<ol style="list-style-type: none"> 1. Collect and solidify, then dispose as trash. 2. Dishwashing may generate small amounts of grease to be discharged to sanitary sewer.
Restaurant and grocery store cleaning of floor mats, exhaust filters, and other surfaces	<ol style="list-style-type: none"> 1. Clean equipment inside building and discharge through grease trap to sanitary sewer. 2. Clean outside in container or bermed area with discharge to sanitary sewer. 	<p>KUB (SS)</p> <p>KUB (SS)</p>	Not applicable. In general, clean surfaces and equipment so that washwater can be discharged to sanitary sewer.