

Best Management Practices for Mobile Cleaning Activities

The goal: "Only rain in the storm drain."
The strategy: Keep pollutants from 1) contacting rain and; 2) being dumped, blown, swept, washed, or poured into storm drains.

Category/Activity	Washing or Washwater Conditions	Discharge Options			Best Management Practices (In Order of Preference)
		Storm Drains	Sanitary Sewer (1)	Landscaping/ Dirt Area (2)	
I. TRANSPORTATION-RELATED WASHING					
<u>Fleet Washing (Exterior)</u>	Removing mainly dirt: with or without soap	NO	YES	See note 2	<u>Best:</u> use wash pads to capture washwater; discharge to sanitary sewer. <u>2nd:</u> seal storm drains; collect washwater; discharge to sanitary sewer or dirt. (3)
<u>Engine/Equipment Degreasing</u> (Airplane, Auto, Truck)	With or without soap; may contain petroleum products and metals	NO	YES (Pretreatment reqd.)	NO	Use wash pads to capture washwater; drain/pump through pretreatment system before discharge to sanitary sewer (discuss requirements with wastewater agency).
<u>Acid Cleaning of Unpainted Trucks/Metal Containers</u>	Typically contains acid detergents	NO	YES (Pretreatment reqd.)	NO	Use wash pads to capture washwater; neutralize to pH between 6 and 10; discharge to sanitary sewer; contact wastewater agency for approval.
<u>Mobile Auto Detailing</u>	Infrequent, light cleaning; minimum water volume; removing mainly dirt with soap	NO	YES	See note 2	<u>Best:</u> small volume may remain on paved surface to evaporate; if significant flow, seal storm drain and discharge to sanitary sewer. <u>2nd:</u> direct flow onto dirt area.
<u>Car Sales Lot Rinsing for Dust Removal</u>	Light dirt, no soap or solvents	See note 4	YES	See note 2	OK to discharge to storm drain; keep runoff away from oil deposits.
<u>Semi Trailers and Boats</u> (Truck trailer, interior cleaning)	Food-related debris	NO	YES	NO	Sweep, collect and dispose of food residue in garbage; use dry cleaning methods; avoid hosing down trailer; discharge any washwater to sanitary sewer
	Trailer contained toxic substances	NO	NO	NO	If toxic materials spilled in trailer, use dry cleaning methods only – do not hose down; protect storm drains; contact Fire Department for guidance.
	Boat cleaning (including removal of paint chips)	NO	YES (Pretreatment reqd.)	NO	Filter washwater before discharge; dispose of paint particles properly (in garbage or as hazardous waste if contain lead, copper, TBT, or PCBs).
II. SURFACE CLEANING (5)					
<u>Sidewalks and Plazas</u>	Using Soap, no oil deposits	NO	YES	See note 2	Sweep, collect and dispose of debris; direct discharge to sewer.
	No soap or oil deposits	YES	YES	See note 2	Sweep, collect and dispose of debris; may flow to storm drains.
<u>Sidewalks, Plazas, Driveways, Drive-Through Window Areas</u>	No soap, light oil, frequently cleaned	NO	YES	See note 2	Sweep, collect and dispose of debris; dry clean oil spots, dispose of absorbent in trash; place oil-absorbent boom around storm drain.
<u>Drive-Throughs, Drive-ways, Parking Garages, Service Stations</u>	With or without soap; excess oil deposits; <u>not frequently cleaned</u>	NO	YES	NO	Seal storm drains; sweep, collect and dispose of debris; dry clean oil spots, dispose of absorbent legally; discharge washwater to sanitary sewer, via oil/water separator if possible. Discuss with site operator and wastewater agency.

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II. SURFACE CLEANING (continued)					
<u>Building Exteriors and Walls</u>	Glass and steel buildings, no soap	YES	YES	See note 2	<u>Best</u> : direct washwater to dirt area. <u>2nd</u> : direct flow to storm drain; protect drain with fabric filter if possible.
	Painted buildings (paint known to be lead free), no soap	YES	YES	See note 2	<u>Best</u> : direct washwater to dirt area. <u>2nd</u> : protect drain with fabric filter to keep paint particles out of storm drain.
	Painted buildings with lead-based or mercury-additive paint, including cleaning for paint removal	NO	NO	NO	Seal storm drains and pump wash-water to a tank; water and sludge may need to be disposed of as hazardous waste. Consult with wastewater agency, County Health and Fire Department.
<u>Graffiti Removal</u>	Using wet sand blasting (with no baking soda)	YES	YES	See note 2	Minimize quantity of water used. <u>Best</u> : direct washwater to dirt area. <u>2nd</u> : filter through boom to keep sand out of storm drain or sewer.
	Using high pressure washing and cleaning compound	NO	YES	See note 6	<u>Best</u> : seal storm drains; discharge washwater to sanitary sewer. Discuss with site operator and wastewater agency. <u>2nd</u> : direct washwater to dirt area.
<u>Masonry Efflorescence</u>	Using acid wash to remove mineral deposits	NO	YES	YES	Seal/block storm drains. Collect washwater, neutralize to pH 6 to 10, discharge to sanitary sewer.
III. FOOD RELATED CLEANING					
<u>Restaurant Alleys, Grocery Dumpster Areas (outdoors)</u>		NO	YES	NO	<u>Best</u> : dry clean only (using rags, absorbents, sweeping debris). <u>2nd</u> : dry clean first, seal storm drain, wash area, screen out particles, discharge washwater to sanitary sewer.
<u>Restaurant Cleaning of Floor mats, Exhaust Filters, Etc.</u>		NO	YES	NO	Washing mats outdoors and discharging washwater to storm drains is prohibited. <u>Best</u> : clean mats inside building and discharge to sink or floor drain. <u>2nd</u> : clean mats outside in bermed area; discharge washwater to sanitary sewer.
<u>Kitchen Grease</u>	Recyclable oil, grease and meat fat	NO	NO	NO	Save for recycling in sealed containers; never pour into sink, floor or storm drain; do not mix with waste grease from trap.
	Grease from interceptor or trap	NO	NO	NO	Never dispose of waste grease in storm drain or sanitary sewer; contact disposal company.
<u>Grocery Carts</u>	Using soap	NO	YES	NO	Capture washwater; filter particles; discharge to sanitary sewer.
	No soap	YES	YES	See note 2	Pick up litter. <u>Best</u> : capture washwater; filter particles; discharge to sanitary sewer. <u>2nd</u> : discharge to storm drains through filter barrier (boom); hot water discharge to creek is prohibited.

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III. FOOD RELATED CLEANING (continued)					
<u>Lunch Wagons/Food Carts</u>		NO	YES	NO	Equipment should be cleaned on wash pad at commissary equipped to discharge washwater to sanitary sewer. Contact County Health. Only melted ice may drain to storm drain.
IV. MISCELLANEOUS CLEANING ACTIVITIES					
<u>Mobile Homes, Decks, Roofs, Shingles, Awnings, Residential/ Commercial Pool Decks</u> (with paint known to be lead free)	Using Soap	NO	YES	See note 2	Direct washwater to dirt area or to sanitary sewer.
	No Soap	See note 7	YES	See note 2	<u>Best</u> : discharge to dirt area. <u>2nd</u> : discharge to storm drain through filter barrier (boom).

Community/Wastewater Agency	Phone Number
Central Contra Costa Sanitary District	(925) 229-7288
City of Hercules	(510) 799-8241
City of Pinole	(510) 724-8963
City of Richmond	(510) 412-2014
Rodeo Sanitation District	(510) 799-2970
Delta Diablo Sanitation District	(925) 778-4040
Dublin San Ramon Services District	(925) 846-4565
Mt. View Sanitary District	(925) 228-5635
West County Wastewater District	(510) 237-6603

(1) "Discharge to sanitary sewer" means discharge into sink, toilet, or sanitary system cleanout. Approval of the wastewater agency is needed and may require: compliance with local regulations or limits; initial sampling; installation of pre-treatment equipment; payment of connection fee; and/or obtaining a wastewater discharge permit.

(2) This option applies to minimal discharge flows only. Repetitive use or excessive waste volume to the same area may contribute to soil and contamination. Washwater may adversely affect landscaping; discuss with building owner.

(3) If a significant amount of washwater evaporates from a paved surface at a site used routinely for washing, the paved area itself must be washed (and the washwater discharged to the sanitary sewer) either before October 15 (beginning of the rainy season) or at the end of the contract.

(4) Permitted only for low flow volume, minimal discharge. Only exterior body cleaning; no cleaning the undercarriage or under the hood.

(5) BMPs in this category do not apply if there has been an oil or other hazardous material spill on the site. In the case of a spill, contact the local fire department for guidance.

(6) Washwater with cleaning compound may adversely affect landscaping; discuss with building owner.

(7) Wood shingles may have been treated with a toxic material and should be dry cleaned only. Runoff from cleaning may be toxic to plants in a landscaped area. Washwater must be known to contain no toxic materials before discharge to the stormdrains is permitted.