

Stormwater Best Management Practices

STREET MAINTENANCE

STORMWATER PROTECTION

Street sweeping and maintenance operations can have a significant effect on pollutants entering storm drains. Street debris can contain sediments, organics, oil and grease. Maintenance work like concrete repair, saw-cut slurry, asphalt repair, and painting can also be a source of storm water pollution. Regular sweeping can prevent debris from entering the storm drain system.

BEST MANAGEMENT PRACTICES (BMPS)

The objective in stormwater protection is that **only rainwater and snow melt go down the storm drain**. Best Management Practices (BMPs) are specific steps taken to prevent stormwater pollution as a result of day-to-day activities of street maintenance operations. All employees shall review this information sheet as a training tool, and make every effort to keep pollutants from going down the storm drain by putting the following BMPs into practice.

ACTIVITY	BEST MANAGEMENT PRACTICES
General	<ul style="list-style-type: none"> Do not dump any liquids or other materials outside.
Bridge Maintenance	<ul style="list-style-type: none"> Do not transfer or load any materials directly over water or waterways. Secure lids and caps on all containers when on bridges. Place drop cloths or nets below any bridgework where wastes, scraps or drips might threaten waterways.
Concrete Pouring or Finishing <i>(applies to contractors)</i>	<ul style="list-style-type: none"> Designate a "Wash Out Area" on the job site in a grassy or graveled area where pooled water can soak into the ground. Use for all equipment. Never wash out in street, creek, ditch or storm drain. If no "Wash Out Area" is available, wash out into a container, dispose in a posted Wash Out Area at another job site (with site owner permission) or return to the batch plant for disposal.
Fueling	<ul style="list-style-type: none"> Post signage prohibiting "topping off" and describing spill response procedures. Keep a spill response kit at or near each fueling area. Require that the person doing the fueling or liquid transfer remain present during entire fueling operation. ("Don't walk away!") When fueling in the field from small containers, use a funnel or containers with spouts to prevent spills. During bulk liquid (i.e. oil, gas or fertilizer) transfer, cover or berm around all down-gradient storm drain inlets within 25 feet. Keep all drain valves in liquid bulk containers and secondary containments locked in the closed position.
Illicit Discharge Reporting	<ul style="list-style-type: none"> Stay alert for any signs of "illicit discharges or connections" (anything except rain water that is allowed to flow into any storm drain inlet or drainage ditch). This includes dry weather flows, pipes or hoses emptying into storm drains, and "threatened discharges". Report any suspicious discharges to your supervisor or Storm Water Coordinator promptly (see list on back).



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The PACE Program provides education and recognition for environmental achievement to businesses and municipalities in Boulder County and portions of Weld County.

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ACTIVITY	BEST MANAGEMENT PRACTICES
Painting & Striping	<ul style="list-style-type: none"> • Schedule painting and striping projects during dry weather only. • Use thermoplastic markings in place of paint whenever feasible.
Salt/Sand Storage	<ul style="list-style-type: none"> • Salt/sand mix (or rock salt) must be stored on paved areas that are bermed or lined with impervious materials to adequately protect the salt from escaping. • Covering salt/sand storage areas is also encouraged.
Street Maintenance	<ul style="list-style-type: none"> • Install storm drain protection devices (hay bales, “pigs”, socks or drain covers) around or over storm drain inlets when doing any maintenance work within 25 feet of the inlet(s). • Coordinate street sweeping with normal maintenance activities. Sweep or vacuum up wastes from all maintenance work (e.g. saw cutting and chip sealing) throughout and after the project and dispose of wastes properly. • Schedule chip sealing projects during dry weather only. • Store maintenance materials and supplies such as cement bags, tars and sealants on pallets and under cover (such as tarps) when not in use. • Provide for erosion and/or sediment control on all areas subject to erosion.
Street Sweeping	<ul style="list-style-type: none"> • Operate all sweepers according to manufacturer’s recommended settings and standards including sweeper speed, brush alignment and rotation rate. • Schedule special sweepings immediately after all events like street fairs, art shows and parades and after street maintenance projects such as saw cutting, chip sealing and new construction and maintenance projects. • Do not conduct street sweeping during or immediately after rainstorms. • Take collected debris directly to a permitted landfill <u>or</u> to a temporary storage area where it will <u>not</u> be released into storm drainage or surface waters. Do not dump or store debris uncovered at the yard.
Spill Response	<ul style="list-style-type: none"> • Use spill prevention methods to ensure no hazardous materials reach the floor or ground. • Keep spill cleanup equipment in or near all work areas and use only “dry” cleanup methods to manage spills. • Develop a formal Spill Response Plan. Post the plan near spill cleanup materials.
Stormwater Runoff Prevention	<ul style="list-style-type: none"> • Maintain a map of the property, identifying directions of stormwater flow and storm drains. • Stencil (decal) storm drains on or near the facility.
Vehicle & Equipment Washing	<ul style="list-style-type: none"> • Vehicles (pick-up trucks, dump trucks or on-road vehicles) must be washed in a designated washing area that drains to the sanitary sewer or must be driven off-site to a commercial or other designated car washing facility.
Vehicle & Equipment Storage	<ul style="list-style-type: none"> • Do not store leaking vehicles or equipment outdoors. Contain the leak, repair immediately, or move indoors and repair.

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