



City of East Grand Forks

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Public Works Department · 1001 2nd St NE · East Grand Forks, MN 56721

STORMWATER BMPs – FACILITIES & BUILDING MAINTENANCE

AFFECTED FACILITIES

These Best Management Practices (BMPs) apply at all buildings, facilities, and fixed structures operated or maintained by the municipality.

BACKGROUND

Stormwater runoff from building or facility maintenance activities can be contaminated with hydrocarbons from solvents, suspended solids, heavy metals or abnormal pH. Following these BMPs will prevent or reduce the discharge of pollutants.

BEST MANAGEMENT PRACTICES

Floor Drains and Elevator Shaft Pumps

- Ensure that elevator sump pumps, interior floor drains, and parking garage floor drains are plumbed to the sanitary sewer (not to storm drains).
- If there are any hydraulic fluid leaks, assure proper clean-up.

Graffiti Removal

- Capture any wastewater, debris, solvent wastes or solid wastes from graffiti removal with tarps or by vacuuming.
- Use rub-on techniques or re-paint over the affected areas.
- Do not pressure wash walls or buildings if the wastewater will enter the storm drain system.

Grounds Maintenance

- Maintain the storm drain system (ditches, inlets, catch basins, drainage channels, or underground lines) on your property. Clean at least twice a year, late in the fall and after storms in the spring.
- When sealing a roof, sidewalk or parking lot, prevent the sealant from reaching the gutters or drains.
- If you clean the roof or sidewalk before sealing, sweep up thoroughly using dry clean-up methods.
- Clean-up any trash and debris regularly.
- Maintain sprinkler systems as to not over-irrigate. Never water at rates that exceed the infiltration rate of the soil.

- Overflow drains from ponds and decorative fountains should be discharged to the sanitary sewer, drained to a vegetated area, or re-used for irrigation. If fountains or decorative ponds are treated with algacides or other chemicals, the discharge must be approved by the local wastewater treatment facility.
- Stencil storm drains on your property with the message “Drains to River, Do Not Dump”.

Heating and Cooling Systems

- Do not allow cooling towers to discharge, leak, or mist-out into roof drains. Cooling towers should discharge to the sanitary sewer, if permitted by your local wastewater facility.
- Blow-down from utility boilers may not be discharged to storm drains.
- Air conditioner (HVAC) condensate that has been treated with algae inhibitors must be discharged to the sanitary sewer as allowed by the local wastewater treatment facility.
- HVAC or chiller condenser tube flushing liquid must be captured and disposed of properly.

Janitorial Practices

- Never dump mop water or cleaning wastewater into parking lot or storm drain. Dispose of wastewater in sink or other sanitary sewer drain. This includes automated floor or carpet cleaning equipment.
- Do not pour, transfer or dispose of any material outdoors or near a storm drain.

Painting and Staining

- Use a ground cloth or oversized tub for paint mixing and tool cleaning. Properly dispose of the wastes.
- Enclose spray-painting operations with tarps or other means to minimize wind drift and help contain overspray.
- Clean paintbrushes and tools used to apply water-based paints in sinks plumbed to a sanitary sewer or in portable containers that can be emptied into sanitary sewer drains. Never clean tools over a storm drain or outside.
- Brushes and tools used for oil-based paints, finishes, thinners, solvents or other materials must be cleaned over a tub or container and the cleaning wastes disposed or recycled at an approved hazardous waste facility. Never clean tools over a storm drain or outside.
- Promptly clean-up any spills of paints, cleaners or other maintenance chemicals or supplies.

Parking Lots and Garages

- Parking lots and structures should be cleaned and inspected routinely.
- Do not hose down any parking areas except where wash water will only enter vegetated areas.
- Drains located within parking structures should discharge to the sanitary sewer.
- Any debris around the storm drain or sump pump must be removed and disposed of properly.
- Any automotive spills and/or drips must be cleaned up with dry clean-up methods.

Pressure Washing

- Dry clean-up methods should be used prior to any pressure washing. These include using absorbents (kitty litter, rags, sand, etc) to clean up spills, sweeping, vacuuming, and scrapping off dried debris. The waste material should be disposed of properly.
- Prior to pressure washing, identify where all storm drains are located. Wash water must not be allowed to flow down gutters or enter storm drains. Block or cover all storm drains before pressure washing. Determine where water will pool for collection.
- Use the following equipment to protect storm drains and to contain and/or to collect wash water: vacuum pumps, booms, berms, portable containment areas, weighted storm drain covers, fabric filter, sand bags, wattles, inflatable plumber's plugs, oil/water separators, holding tanks, and portable sump pumps.
- Solids should be removed from the area prior to pressure washing and a filter bag or similar filtration device should be used to remove suspended solids from the wastewater.
- A visible sheen must not be evident in the discharge. Use an absorbent pad or boom to eliminate any oil from the discharge.
- If you do not use any chemicals or detergents and are only cleaning surfaces of ambient dust, then you may discharge wastewater to nearby vegetated areas or allow it to evaporate from a pooled area.
- All other wash water (that contains soap or cleaning products) must be collected for proper disposal.
- Once water is collected, dispose of it properly. Collected wash water may be disposed of into a sanitary sewer drain at the job site or at the contractor's place of business. Check with your local wastewater treatment plant for authorization.
- Do NOT dispose wastewater to a septic system.
- Ensure contracted, privately owned, pressure washers also follow these BMPs.
- Do not pressure wash entire buildings. Spot clean, steam clean, or scrape dirty areas rather than pressure washing the entire structure.

Sandblasting

- Place a tarp or ground cloth beneath the work area to capture the blasting media and particles from the surface being blasted.
- Enclose the area with tarps or plastic to protect from wind and to capture airborne particles.
- Cease operations on a windy day.
- Clean up work area frequently.

Waste Management

- All waste receptacles must be leak-tight with tight-fitting lids or covers. This includes dumpsters and compactors.
- Keep all container lids closed at all times unless adding or removing material.

- Store waste receptacles indoors, under a roof or roof overhang, or inside a shed or covered structure.
- Sweep up around outdoor waste containers regularly.
- Do not hose-out dumpsters outdoors. If dumpsters must be washed, do so in a wash bay or in an area where wastewater will drain to the sanitary sewer.

NEW CONSTRUCTION OR RENOVATION REQUIREMENTS

- If it is expected that a building or structure will be pressure washed regularly, design the landscaping and paving to accommodate pressure-washing procedures described above.
- Design cooling towers to drain to a sanitary drain, if permitted. Cooling tower wastewater must not enter roof drains if they ultimately lead to the parking lot or storm drains.
- If it is expected that a building or structures on the roof will be cleaned regularly, design the landscaping to allow wastewater to be directed to landscaped areas or retention areas.

REQUIRED TRAINING

Train all current employees who perform building or facilities maintenance on these BMPs, on the Spill Clean-up BMP and the importance of Personal Protection Equipment (PPE) annually.

Train all new hires and job transferees who will perform building or facilities maintenance on these BMPs, on the Spill Clean-up BMP and the importance of Personal Protection Equipment (PPE) before they are assigned to their new duties.

All contracts must stipulate that contracted employees are trained in these BMPs.

ADDITIONAL INFORMATION

Household Hazardous Waste can be disposed of at:

Polk County Environmental Services Transfer Station
320 Ingersoll Ave
Crookston, MN 56716
Monday - 7:00am to 7:00pm
Tuesday through Friday - 7:00am to 5:30pm

Used motor oil and other waste automotive fluids can be disposed of at:

Public Works Department
1001 Second St. N.E.
East Grand Forks, MN 56721
(218) 773-1313

To report an Illicit Discharge, clogged sewer or for answers to questions regarding these stormwater BMPs please contact:

Public Works Stormwater/Wastewater Department
1001 Second St. N.E.
East Grand Forks, MN 56721
(218) 773-1313