



City of East Grand Forks

600 DeMers Ave · P.O. Box 373 · East Grand Forks, MN 56721
218-773-2483 · 218-773-9728 fax www.egf.mn

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

STORMWATER BMPs – CONCRETE POURING & FINISHING

AFFECTED FACILITIES

These Best Management Practices (BMPs) apply during concrete repair, construction and maintenance projects where wet concrete is poured and/or finished and when any concrete saw cutting is performed.

BACKGROUND

Concrete mixers, trucks and pumbers must be cleaned after discharging a batch. Shovels and finishing tools must be cleaned at the end of each job. The cleaning process is usually done with water. The wastewater from this “wash out” contains calcium carbonate and other components of concrete that can contaminate surface waters. Finishing of concrete by “aggregate washing” can also direct wastewater and concrete into surface waters.

BEST MANAGEMENT PRACTICES

- NEVER wash out into a storm drain inlet, onto the street or into a drainage ditch.
- NEVER discharge concrete wash out onto the ground.
- Concrete wash out water must be collected and allowed to evaporate or recycled. **INFILTRATION OF CONCRETE WASH OUT WATER IS PROHIBITED.**
- Use as little water as possible for the clean-up of equipment and tools. This will shorten the necessary evaporation times.
- If equipment must be washed out at the job site, designate a “Wash Out Area” that will capture all wash water and material.
- The “Wash Out Area” can be a poly lined pit or any leak proof receptacle. The wash water should then be allowed to evaporate and any dry solids disposed of properly.
- If no suitable “Wash Out Area” can be located at the job site, then wash out will have to be done into a portable container off-site. The off-site container will then have to be taken to a suitable place for disposal, if necessary.
- All tools used for concrete finishing should be washed in a bucket or other leak proof container. The wash water should then be allowed to evaporate and any dry solids disposed of properly.
- If there is a small amount of excess wet concrete remaining at the end of a job (less than 1 cubic yard) and it cannot be used elsewhere, discharge it into the “Wash Out Area”. Larger volumes of excess concrete must be returned to the batch plant or disposed of as solid waste.

- When performing “aggregate washing” (washing off the top layer of wet concrete to expose a rough finish), channel and collect the wash water in a poly lined pit (or pits) in the soil next to the pour area. The wash water should then be allowed to evaporate and any dry solids disposed of properly.
- When saw cutting of concrete is being performed, all water used in this process and resulting concrete dust slurry must be collected and disposed of properly.
- Limit the amount of fresh concrete or cement mortar mixed to only what is needed for that job.

NEW CONSTRUCTION OR RENOVATION REQUIREMENTS

- None

REQUIRED TRAINING

- Train all current employees who work with concrete or oversee concrete work 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 work with concrete or oversee concrete work 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