

What is stormwater runoff?

Stormwater runoff occurs when precipitation from rain or snowmelt flows over the ground. Impervious surfaces like driveways, sidewalks, parking lots and streets prevent stormwater from naturally soaking into the ground.

This increases the volume of water discharged, which can cause flooding as well as increasing pollutants in our surface waters.



Mississippi River

Runoff collected by catch basins in our city streets discharges to the Mississippi River. Pollutants like sand, gravel, leaves, grass clippings, and garbage discharges directly into rivers and lakes without treatment.

Stormwater pollution prevention begins with you!

Stormwater Quality



Construction Site Runoff Control



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This brochure is part of the city's SWPPP
Minimum Control Measures #1 & 4.

The goal of this program to educate & inform
the public on important water resource
management issues and increase the public's
participation in water management activities.

Construction Site Runoff Control

Small Construction Sites & Homebuilders

Eroding construction sites are a leading cause of water quality problems in Minnesota and across the nation. For every acre under construction, about a dump truck and a half of soil washes into a nearby lake or stream unless the builder uses erosion control measures.

Who Needs to Provide Erosion Control?

The building permit holder for all construction sites must provide onsite erosion control measures until the site is fully vegetated. In most cases this will be permitted through the site review process and the National Pollutant Discharge Elimination System (NPDES Phase II). This is done through the original permit, which is held by the owner of the overall development.

As a homeowner, you're responsible for inspecting and maintaining temporary stabilization measures until permanent ground cover is established on your yard.



Erosion and Sediment Controls

Crew placing erosion control blanket to protect the ditch bottom from erosion and helps with side slope stabilization along with seed germination.



Failed Sediment Control Example

Runoff from large site undercut installed silt fence and riprap at storm sewer outlet. Runoff filled on-site pond with eroded material.

City of Monticello's Grading & Erosion Control Program

Monticello's Erosion & Sediment Control Program consists of:

- A new Grading & Erosion Control Ordinance requiring adequate Best Management Practices (BMPs) to keep sediments onsite. BMPs consist of rock construction entrances to minimize tracking of soils onto streets, inlet protection to keep sediment out of catch basins, disc anchored mulch, street sweeping, etc.
- Site plan review process for adequate erosion and sediment controls.
- The ordinance requires the developer, resident, or contractor to apply for a city issued Grading Permit for sites with disturbances equaling 2000 square feet or greater, 400 cubic yards undeveloped land, 40 cubic yards developed land, or within 200 feet of a waterway or surface water.

Controlling erosion can be easy if you take the appropriate measures!

Erosion control is important, even for home sites of an acre or less. The materials necessary are easy to find and relatively inexpensive: sod strips or silt fence, rock entrances, and quick growing grass seed. Putting these materials to use is a straightforward process. Only a few controls are needed on most sites.

- ◆ Preserve existing trees and grass wherever possible to prevent erosion.
- ◆ Revegetate bare soil on the site as soon as possible with sod or appropriate seed mix.
- ◆ Two rows of sod or properly installed silt fence can help protect the storm drains and trap sediment on site. (See Monticello's standard detail plate)
- ◆ Place soil piles away from roads and waterways
- ◆ Install a rock construction entrance (see Monticello's standard detail plate)
- ◆ Clean up sediment that gets carried off-site by storms or vehicles immediately.
- ◆ Dispose of concrete in the designated on-site, wash off areas.
- ◆ Follow all required erosion and sediment control measures on construction sites.
- ◆ Inspect the site after each 1/2" or more rainfalls and perform repairs within 24 hours of discovery.

For more information on appropriate measures for your site, contact Public Works at 763-295-3170.