

Municipal Separate Storm Sewer System (MS4)



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A conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, manmade channels, or storm drains) owned or operated by the United States, a State, city, town, county, district, association, or other public body...that discharges to waters of the United States or waters of the State that is designed or used for collecting or conveying stormwater.

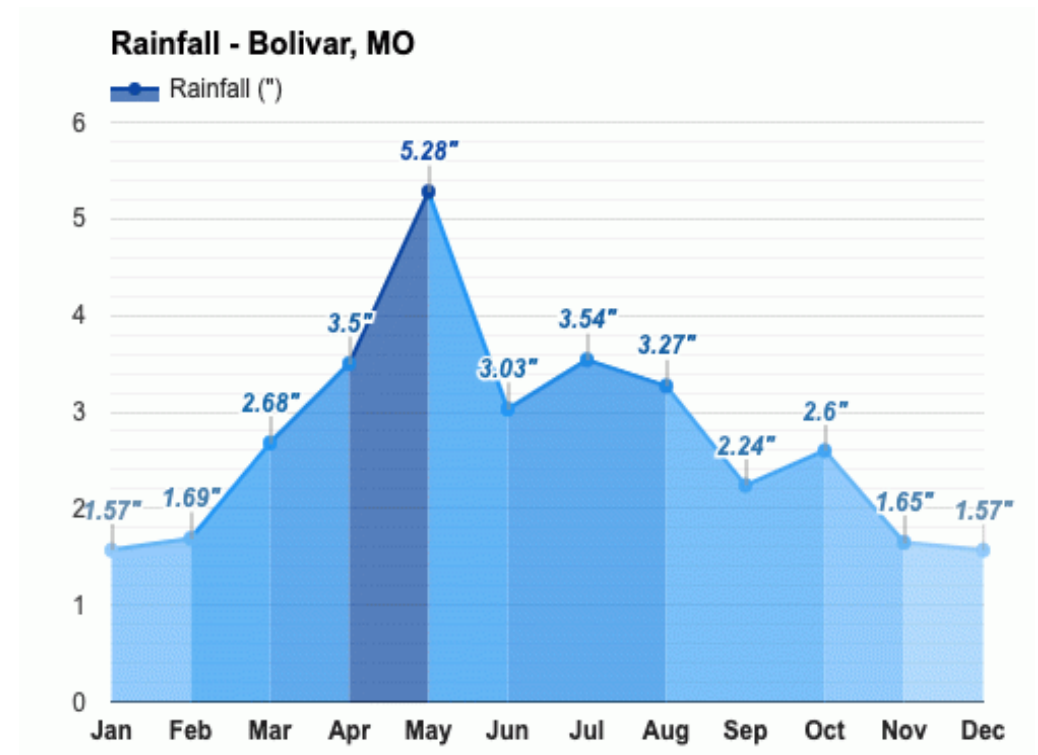
Stormwater runoff is now the #1 source of surface water pollution in the U.S.



Rainfall

CoCoRaHS.org

- April – 6.58
- May – 11.01
- Last Rainfall – 2.20



Basins

- Detention basins are surface storage basins or facilities that provide flow control through attenuation of stormwater runoff.
- Retention basin or pond is designed to permanently hold water. Retention basins are commonly used when the groundwater is near the surface of the ground. A retention basin will not have an outlet structure. The water collected by a retention basin will either infiltrate into the ground or evaporate.



What is a SWPPP?

Stormwater Pollution Prevention Program

- Contains a list of 38 best management practices (BMP's) to be implemented
- Targeted to address six minimum control measures (MCM's)
- Includes measurable goals
- Timelines established
- Educational goal for each MCM

Stormwater Management Plan (SWMP) Minimum Control Measures (MCMs)

Public Education & Outreach

Public Participation & Involvement

Illicit Discharge Detection & Elimination (IDDE)

Construction Site Runoff Controls

Post-Construction Runoff Controls (PC)

Pollution Prevention/Good Housekeeping (PP/GH)

What is a BMP?

Best Management Practice

- Practice intended to control pollution
- Structural examples – sediment pond, grass filter strip, sump catch basins
- Non structural examples – education to reduce pollution, street sweeping, ordinances to protect water quality

What has the City done this past year?

- Increased street sweeping
- Ensured stormwater BMPs were implemented during City and private development projects
- Mapping updates
- Review of development projects
- DNR MS4 5-year comprehensive plan

What is the City currently doing in 2022?

Improving on current SWPPP requirements

- Illicit discharge article for the newspaper
- Working to prohibit “non-stormwater” discharges to the system
- Outfall inspections
- Review street sweeping program
- Reviewing development construction plans to ensure they meet City design requirements
- Conduct annual inspections
- Educate City staff, developers, contractors, homeowners and general public on the importance of storm water quality
- Stormwater ordinances