



pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION



Bureau of Clean Water

Stormwater Management Updates

- Municipal Separate Storm Sewer System (MS4) Program
- Chapter 102
- Post-Construction Stormwater Management (PCSM) Manual

Statewide Water Resources Committee

May 19, 2021

Tom Wolf, Governor

Patrick McDonnell, Secretary

MS4 Program

- Most Pollutant Reduction Plans and Total Maximum Daily Load Plans were submitted to Department of Environmental Protection (DEP) in September 2017
- These plans generally identify Best Management Practices (BMPs) that will be implemented over five years to achieve a 10% sediment load reduction
- Over 90% have been reviewed and approved

MS4 Program

- Many MS4s collaborated in developing their plans
- The most popular BMP chosen by MS4s has been stream restoration projects
- DEP is currently considering what the next round of permits will require

Chapter 102

- PAG-02 General Permit was reissued in December 2019
- New – required use of DEP’s PCSM Spreadsheet for water quality
- New – recognition of evapotranspiration credits for vegetated BMPs
- New – use of BMP outflow pollutant concentrations instead of percent removal

Chapter 102

- PAG-01 General Permit – possibly issued this spring
- Applies to earth disturbance less than five acres (not in special protection watersheds)
- Prescribed BMPs (no stormwater analysis)
- Incentive for county having a current and approved Act 167 Plan (expedited review period)

PCSM Manual

- Work to update 2006 Stormwater BMP Manual began in October 2017
- A preliminary draft was completed, reviewed by internal DEP/County Conservation District staff and transportation agencies
- Possible publication as a draft technical guidance document for public comment later in 2021

PCSM Manual

- Three options for stormwater analysis: 1) design storm, 2) continuous simulation, and 3) water balance
- Climate change considered through use of an upper confidence interval of historical data
- Focus is on resilience of BMPs (protection from larger storms)



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