

Brighton Township Board of Supervisors

Annual MS4 Update

FEBRUARY 19, 2026



MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4)

- **Agenda:**

- Permit Overview
- Annual MS4 Tasks
 - Stormwater Management Program (Minimum Control Measures)
 - Pollutant Control Measures
- PADEP Compliance Evaluation
 - Annual Report
 - DEP Inspection
 - Current cycle of inspections for 2018 Permit is underway
- Pollutant Reduction Plans
- Permit Status

MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4)

- **Permit Overview – NPDES Permit for Stormwater Discharges from Small MS4s**
 - Municipal Separate Storm Sewer System (MS4) - Permit applies to stormwater infrastructure that is:
 - Used for collecting and/or conveying stormwater
 - Owned by a municipality or any other public body
 - Not used as a combined sewer
 - Not part of Publicly Owned Treatment Works (i.e. sewage treatment plant)
 - NPDES MS4 Permit authorizes discharge of stormwater from the MS4 to Waters of the Commonwealth
 - NPDES MS4 Permit issued by PADEP in Pennsylvania. The program is administered nationally by EPA.
 - Primary goal of the permit: Protecting water quality and limiting stormwater pollution

MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4)

• Annual MS4 Tasks

- Update and Implement Stormwater Management Program (Written Plan) addressing each MCM:
 - MCM #1 - Public Education and Outreach on Stormwater Impacts
 - MCM #2 - Public Involvement/Participation
 - MCM #3 - Illicit Discharge Detection and Elimination
 - MCM #4 - Construction Site Stormwater Runoff Control
 - MCM #5 - Post-Construction Stormwater Management (PCSM) in New and Re-Development Activities
 - MCM #6 - Pollution Prevention/Good Housekeeping
- The Stormwater Management Program must:
 - Reduce the discharge of pollutants from the MS4 to the maximum extent practicable,
 - Protect water quality, and
 - Satisfy appropriate water quality requirements of the Clean Water Act and the Pennsylvania Clean Streams Law

MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4)

- **Annual Reports**

- Due September 30 of each year
- Self reporting on progress made for each MCM, along with PRP and PCM progress
- \$500 renewal fee due annually

- **DEP or EPA Inspections**

- DEP Inspects each permittee at least once every 5 years
- Inspections for 2018 Permit are underway (completed in 2024)
 - Office Review - Thorough review of written plans and documentation of compliance with required Minimum Control Measures. Documentation of all MS4 related activities (event flyers, distributed materials, work logs, complaint resolution tracking, outfall screening etc.)
 - Field Review – Evaluation of municipal facilities including Public Works yard, garage, salt storage and other facilities. Field review of BMPs and outfalls

MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4)

- **Pollutant Reduction Plans (PRPs) were developed in 2017 and submitted to PADEP to meet the following requirements:**
 - The following reductions must be achieved within 5 years of permit issuance (March 2023 for General Permits):
 - Achieve 10% reduction in pollutant loading of sediment
 - Achieve 5% reduction in pollutant loading of total phosphorus
- **Each Annual Report to include documentation and supporting calculations for reductions achieved through implementation of the Pollutant Reduction Plan.**
- **PRPs approved by PADEP established:**
 - Total pollutant loading required to be addressed in permit term
 - Potential BMPs to be constructed to achieve required pollutant reduction goals.

MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4)

- **BMPs identified in the Pollutant Reduction Plan must be constructed and the required pollutant reduction achieved by March 2023**
- **Municipal budget for each year must include funds for:**
 - Final Design of BMPs
 - Acquisition of property, as needed for BMP construction
 - Construction costs for installation of new BMPs or retrofit of existing BMPs, including bidding costs if constructed by a contractor
 - Annual maintenance of all BMPs
- **Stormwater Fee was implemented for costs associated with Implementation of PRP**

MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4)

- **Structural BMPs – Extended Detention/Infiltration/Filtration Basin – New Construction or Retrofit of existing facilities**
 - Brighton Fields
 - Construction completed in 2020
 - Beaver Woods
 - Construction completed in 2023
 - Two Mile
 - Working on alternatives to address PADEP permitting comments received on similar applications

MS4s – PERMIT – WHAT’S NEXT?

- **PADEP Has Issued Draft Permit Regulations in January 2025**
 - Public Comment Period closed March 19, 2025
- **2026 Permit Renewal tentatively due September 30, 2026**
- **Six Minimum Control Measure Requirements generally remain the same**
- **Pollutant Control Measures (PCMs) no longer required**
- **2028 Model Ordinance must be adopted prior to the submittal of the September 2028 annual report**
- **PRP is being replaced with Volume Management Plan (VMP)**
 - Anticipate Volume Management Plan to be submitted in September 2028
 - Construction of VMP to be completed by 2031

MS4s – PERMIT – WHAT’S NEXT?

- **Tentative Schedule**

- September 30, 2026: New/existing coverage NOI due, PRP must be complete.
- October 1, 2026: Final General permit will be effective.
- September 30, 2028: VMP and 2028 Model Ordinance due with annual report.
- September 30, 2030: Reporting of VMP progress due with annual report.
- July 31, 2031: 180-day extension for VMP completion due if applicable.
- September 30, 2031: VMP to be complete.

MS4s – PERMIT – WHAT'S NEXT?

● Volume Management Plan (VMP)

- Focuses on volume of stormwater runoff rather than reduction of pollutants
- Required if surface waters are impaired for the following updated causes: 1) turbidity; 2) Total Suspended Solids; 3) siltation; 4) algae; 5) eutrophication; 6) nutrients; 7) flow regime modification; and 8) habitat alterations
- Based on the total amount of impervious area within the Urbanized Area
- Maximum Extent Practicable (MEP) Calculator provided by DEP to determine the Volume Management Objective (VMO)
- VMO is defined as the number of new cubic feet of runoff per permit year that must be treated
- VMO is municipality-based, not watershed-based
- VMP total is the VMO x2 for the two years that the VMP must be implemented

MS4s – PERMIT – WHAT’S NEXT?

- **Volume Management Plan (VMP)**

- MEP Calculator incorporates socioeconomic factors (such as Lowest Quartile Household Income, Unemployment Rate, Utility Bills) that may lower the VMO value
- VMO may also be reduced by crediting of completed projects that qualify, including PRP projects
 - Stream restoration that exceeded the sediment reduction requirement for the PRP can be credited
 - Inspections of all SCM facilities must be completed within the next two years to determine proper function and condition to be included in crediting
- The VMP must be submitted to DEP with the annual report on September 30, 2028 including Preliminary Design Drawings (30%-50% design)
- VMP is to be complete September 30, 2031

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