

# Doylestown Township

## ***MCM #5: Post-Construction Stormwater Management in New Development/Redevelopment Minimum Measures***

### Purpose & Scope

Doylestown Township, Bucks County, PA is a township of approximately 17,971 residents and 15.63 square miles total, which includes 15.44 square miles of land and 0.19 square miles of water, that has been required to develop, implement, and enforce a stormwater management program to meet the requirements of Municipal Separate Storm Sewer System (MS4) permit and ensure that controls are in place to prevent or minimize water quality impacts.

The goal of the Post-Construction Stormwater Management (PCSM) Minimum Control Measures (MCM) is to avoid increases in stormwater runoff problems and increased non-point source (NPS) pollution that often accompanies the development of land and the associated increase of impervious surfaces.

Under Chapter 102, Erosion and Sediment (E&S) Control, County Conservation Districts and/or DEP must issue a permit for earth disturbance activities one acre or greater.

### Requirements

- **BMP #1:** Enforce an ordinance to require PCSM from new development and redevelopment projects, including sanctions for non-compliance.
- **BMP #2:** Develop and implement measures to encourage and expand the use of Low Impact Development (LID) in new development and redevelopment, including retrofitting LID into existing development.
- **BMP #3:** Ensure adequate Operation & Management (O&M) of all PCSM BMPs that have been installed at development or redevelopment projects that disturb greater than or equal to one (1) acre, including projects less than one (1) acre that are part of a larger common plan of development or sale.

### **Minimum Measure Objective**

The purpose of PCSM MCM within the Township is to minimize the impact of the construction activities on the watershed. The Township will implement these measures with the help of the Township Engineer, Township staff, and the County Conservation District. A schedule for inspection of installed stormwater BMPs will be set up, and a plan for long term maintenance will be established.

- Enforce an ordinance to require PCSM from new development and redevelopment projects, including sanctions for non-compliance.
  - Doylestown Township enacted ordinance Municipal Code Chapter 148 in May 2011, amending in its entirety in September 2022.
- Develop and implement measures to encourage and expand the use of LID in new development and redevelopment, including retrofitting LID into existing development.

Ensure adequate O&M of all post construction stormwater management BMPs that have been installed at development or redevelopment projects that disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale.

- The Township holds a list of stormwater BMPs installed on public and private property from the beginning of their permit. The Township will coordinate self-inspections with BMP landowner explaining that an inspection will be conducted in the Summer. The Township will provide a notification letter to inspect and provide information about the type of BMP they currently have on their property.

Stormwater BMPs can be an effective tool in preventing erosion, slowing down water velocity, reducing sediment, and improving water quality. However, these stormwater BMPs must be properly maintained in working order to work as they were designed. This is precisely why a maintenance schedule should be established and followed. Encouraging self-compliance and education will be the focus of Doylestown Township.

The current inspection and maintenance schedule will be developed to maximize efficiency and minimize labor requirements using CS Datum.

### **Maintain All BMPs**

Doylestown Township takes measures to ensure the success of all stormwater BMP's by making certain they are properly built, operated, and maintained by the landowner. Doylestown Township has implemented several sustainable building designs throughout the Township, including infiltration beds, detention vaults, tree plantings, bioswales, etc.

These are designed to reduce storm runoff by the transpiration of plants, delaying the first flush of rainwater, and cleansing stormwater via the uptake of contaminants. These PCSWM BMP's need the regular maintenance of water, sunlight, weeding, clearing of dead debris, and the replacing of plants. Doylestown Township maintains an inventory of BMPs through MS4 reporting and Pollution Reduction Plan updates.

### **Contact**

For additional information, contact Doylestown Township

- o Email: [info@doylestownpa.org](mailto:info@doylestownpa.org)
- o Office: 215-348-9915