

SUMMARY OF NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) REQUIREMENTS

MCM#1 – Public Education and Outreach

BMP #1 – Develop, implement and maintain a written Public Education and Outreach program

BMP #2 – Develop and maintain lists of target audience groups that are present within the areas served by the permittee’s regulated small MS4. In most communities, the target audiences shall include residents, businesses (including commercial, industrial and retailers), developers, schools, and municipal employees.

BMP#3 – The permittee shall annually publish at least one issue of a newsletter, a pamphlet, a flyer , or a website that includes general stormwater educational information, a general description of the permittee’s stormwater management plan, and/or information about the permittee’s stormwater management activities.

BMP#4 –Distribute Stormwater Educational Materials and/or information to the target audiences using at least two distribution methods annually (displays, posters, signs, pamphlets, booklets, brochures, radio, tv, newspapers, bill stuffers, presentations, conferences, meetings, fact sheets, giveaways, storm drain stenciling). These are in addition to BMP#3.

MCM#2 – Public Involvement/Participation

BMP#1 – Develop, implement and maintain a written Public Involvement and Participation Program which describes various types of possible participation activities and describes methods of encouraging the public’s involvement and of soliciting the public’s input.

BMP#2 – Prior to adoption of any Stormwater Management Ordinance required by this Permit, and , where applicable, prior to the submission of any plan or report re1uired by Part C of the permit to DEP, provide adequate public notice and opportunities for public review, input, and feedback.

BMP#3 – Regularly solicit public involvement and participation from target audience groups using available distribution and outreach methods. This should include an effort to solicit public reporting of suspected illicit discharges.

MCM#3 – Illicit Discharge Detection and Elimination

BMP #1 – The permittee shall develop and implement a written program for the detection, elimination, and prevention of illicit discharges into the regulated MS4. The program shall include field screening of outfalls.

BMP#2 – the permittee shall develop a map of the regulated small MS4.

BMP#3 – In conjunction with the map created under BMP#2, either on the same map or on a different map, permittees shall show the entire storm sewer collection system, including roads, inlets, piping, swales, catch basins, channels, basins and any other features of the permittee’s storm sewer system including municipal boundaries and/or watershed boundaries.

BMP#4 – The permittee shall conduct outfall field screening, identify the source of any illicit discharges, and remove or correct any illicit discharges using procedures developed under BMP#1. The permittee must also respond to complaints received from the public or other agencies on suspected illicit discharges.

BMP#5 – Enact a Stormwater Management Ordinance to implement and enforce a stormwater management program that includes prohibition of non-stormwater discharges to the regulated small MS4.

BMP#6 – Provide educational outreach to public employees, business owners and employees, property owners, the general public and elected officials (i.e. target audiences) about the program to detect and eliminate illicit discharges.

MCM#4 – Construction Site SWM

Most municipalities rely on DEP's statewide Qualifying Local Program for issuing NPDES Permits for Stormwater Discharges Associated with Construction Activities to satisfy all requirements for MCM #4 and BMPs #1 through #3 of MCM #5.

BMP #1 - Develop a written program consisting of all procedures necessary to comply with the requirements for construction stormwater permitting, construction inspection, and enforcement of installation and maintenance of the necessary E&S control measures.

BMP #2 - The permittee shall enact, implement, and enforce an ordinance to require the implementation of erosion and sediment control BMPs, as well as sanctions to ensure compliance.

BMP #3 - Develop and implement requirements for construction site operators to control waste at the construction site that may cause adverse impacts to water quality.

BMP #4 - Develop and implement procedures for the receipt and consideration of public inquiries, concerns, and information submitted by the public (to the permittee) regarding local construction activities. The permittee shall demonstrate acknowledgement and consideration of the information submitted, whether submitted verbally or in writing.

MCM#5 – Post construction Stormwater Management for New and Redevelopment Activities

Most municipalities rely on DEP's statewide Qualifying Local Program for issuing NPDES Permits for Stormwater Discharges Associated with Construction Activities to satisfy all requirements for BMPs #1 through #3 of MCM #5 and for all requirements under MCM #4.

BMP #1 - Develop a written procedure that describes how the permittee shall address the minimum requirements for use of structural and/or non-structural BMPs in plans for development and redevelopment, criteria for selecting and standards for sizing stormwater BMPs, and the implementation of an inspection program to ensure that BMPs are properly installed.

BMP #2 - Require the implementation of a combination of structural and/or non-structural BMPs that are appropriate to the local community, that minimize water quality impacts, and that are designed to maintain pre-development runoff conditions.

BMP #3 - Ensure that controls are installed.

BMP #4 - The permittee shall enact, implement, and enforce an ordinance or other regulatory mechanism to address post-construction stormwater runoff from new development and redevelopment projects, as well as sanctions and penalties associated with non-compliance, to the extent allowable under State or local law.

BMP #5 - Develop and implement measures to encourage and expand the use of Low Impact Development (LID) in new and redevelopment. Measures also should be included to encourage retrofitting LID into existing development.

BMP #6: Ensure adequate operation and maintenance of all post-construction stormwater management BMPs installed at all qualifying development or redevelopment projects (including those owned or operated by the permittee).

MCM#6 – Pollution Prevention/Good Housekeeping

BMP#1 – Identify and document all operations that are owned or operated by the permittee and have the potential for generating stormwater runoff to the regulated small MS4.

BMP#2 – Develop, implement and maintain written operation and maintenance program for all operations that could contribute to the discharge of pollutants from the regulated small MS4.

BMP#3 – Develop and implement an employee training program that addresses appropriate topics to further the goal of preventing or reducing the discharge of pollutants from operations to the regulated small MS4.

Pollutant Control Measures and Pollutant Reduction Plans

If an MS4 discharges to an impaired stream and:

- The cause of impairment is metals or pH associated with Acid Mine Drainage, the permittee shall implement the Pollution Control Measures identified in Appendix A of the permit.
- The cause of impairment is pathogens (e.g. fecal coliform), the permittee shall implement the Pollution Control Measures identified in Appendix B of the permit.
- The cause of impairment is priority organic compounds (e.g. PCBs, pesticides), the permittee shall implement the Pollution Control Measures identified in Appendix C of the permit.

A Pollution Reduction Plan (PRP) is a planning document prepared by the permittee which guides the selection and implementation of specific BMPs to reduce pollutant loading to surface waters. A PRP shall be developed and submitted if:

- The permittee has at least one outfall that discharges to receiving waters within the Chesapeake Bay Watershed. The PRP shall be in accordance with Appendix D of the permit.
- The permittee has at least one stormwater outfall that discharges to waters impaired for nutrients and/or sediment, and a TMDL has not been approved, or a TMDL has been approved but no wasteload allocation (WLA) has been assigned. The PRP shall be in accordance with Appendix E of the Permit. The BMPs proposed must achieve a 10% reduction in the existing pollutant loading of sediment and a 5% reduction in the existing pollutant loading of Total Phosphorus.