



**pennsylvania**  
DEPARTMENT OF ENVIRONMENTAL  
PROTECTION



Bureau of Clean Water

# Summary of Changes to Future MS4 Permits

Capital Region COG

October 17, 2016

Tom Wolf, Governor

Patrick McDonnell, Acting Secretary

# DEP's MS4 Compliance Philosophy

Compliance  
is expected



# The Basic MS4 Program



**Can you list the six  
Minimum Control  
Measures?**

# MCM #1

## Public Education and Outreach on Stormwater Impacts

Key idea:  
Do “BMPs” which  
involve educating  
the public



# Public Involvement / Participation

Key idea:  
Do “BMPs” to  
involve the public





# Illicit Discharge Detection and Elimination (IDD&E)

Key idea:

Do “BMPs” to locate  
and stop **unauthorized**  
non-stormwater  
discharges



# Construction Site Runoff Control

Key idea:

Do “BMPs” to apply  
Erosion/Sediment controls  
during construction



# Post-Construction Stormwater Management (PCSM)

Key idea:

Do “BMPs” to apply Post Construction Stormwater Management controls





# Pollution Prevention/Good Housekeeping

Key idea:  
Do “BMPs” to minimize  
stormwater pollution  
from municipal  
operations



# Past MCM Trouble Spots



- Poor or unavailable maps
- Poorly written or unavailable MCM plans
- Inadequate O&M for municipal operations

# 2018 MS4 Permit - PRPs

- Pollutant Reduction Plans (PRPs)
  - Chesapeake Bay PRP
  - Impaired Waters PRP
- Require existing pollutant load calculation
- Specific load reduction must be accomplished within 2018-2023 permit term

# Preparing a PRP

- Map drainage areas
- Calculate current pollutant loads
- Reduce loads by existing BMPs
- Identify required load reductions
- Locate planned BMPs

## 2018 MS4 Permit – TMDL Plans

- TMDLs are approved by US EPA to address local impairments
- Required only when the impairment is the result of sediment and/or nutrients



# PRP and TMDL Plan Due Dates

Due with the next NOI/IP permit application:

- Current General Permittees and all new permittees: 9-16-17
- Current Waivers and Individual Permittees:  
180 days before expiration



► Collaboration: part of the solution

- Do your plans as a group of municipalities
- Involve local environmental groups
- Look for low-hanging fruit
- Assume every construction project is an opportunity



# Public Participation

MS4s will be required to publicly participate TMDL Plans and PRPs prior to submission to DEP

# Pollutant Control Measures

Address impairments for:

- A. AMD metals/pH
- B. Bacteria
- C. Priority organics

Due after permit issuance

# Exactly what planning requirements apply to your municipality?

- An “MS4 Requirements Table” is on DEP’s website which lists your planning requirements
- DEP sent a letter to each MS4 that provides a summary of what is on the Table



# Sample from MS4 Table

MS4 Name	NPDES ID	Individual Permit Required?	Reason	Impaired Downstream Waters or Applicable TMDL Name	Requirement(s)	Other Cause(s) of Impairment
<b>Centre County</b>						
BENNER TWP	PAI134809*	Yes	SP, IP	Chesapeake Bay Nutrients/Sediment	Appendix D-Nutrients, Siltation (4a)	
				Bald Eagle Creek	Appendix B-Pathogens (5)	
				Spring Creek	Appendix E-Organic Enrichment/Low D.O. (5)	
				Logan Branch	Appendix A-Metals (5), Appendix C-PCB (5), Appendix E-Organic Enrichment/Low D.O. (5)	
COLLEGE TWP	PAI134803	Yes	SP, IP	Logan Branch	Appendix A-Metals (5), Appendix C-PCB (5), Appendix E-Organic Enrichment/Low D.O. (5)	
				Slab Cabin Run	Appendix E-Siltation (5)	Thermal Modifications (5)
				Chesapeake Bay Nutrients/Sediment	Appendix D-Nutrients, Siltation (4a)	
				Spring Creek	Appendix E-Organic Enrichment/Low D.O., Siltation (5)	
FERGUSON TWP	PAI134805	Yes	SP, IP	Spring Creek	Appendix E-Organic Enrichment/Low D.O., Siltation (5)	
				Slab Cabin Run	Appendix E-Siltation (5)	Thermal Modifications (5)
				Chesapeake Bay Nutrients/Sediment	Appendix D-Nutrients, Siltation (4a)	
HARRIS TWP	PAI134801	Yes	SP, IP	Spring Creek	Appendix E-Organic Enrichment/Low D.O., Siltation (5)	
				Chesapeake Bay Nutrients/Sediment	Appendix D-Nutrients, Siltation (4a)	
PATTON TWP	PAI134802	Yes	SP, IP	Spring Creek	Appendix E-Organic Enrichment/Low D.O. (5)	
				Buffalo Run	Appendix E-Siltation (5)	
				Chesapeake Bay Nutrients/Sediment	Appendix D-Nutrients, Siltation (4a)	
SPRING TWP		Yes	SP	Logan Branch	Appendix C-PCB (5), Appendix E-Organic Enrichment/Low D.O. (5)	
				Chesapeake Bay Nutrients/Sediment	Appendix D-Nutrients, Siltation (4a)	
				Bald Eagle Creek	Appendix B-Pathogens (5)	
STATE COLLEGE BORO	PAI134804	Yes	SP, IP	Chesapeake Bay Nutrients/Sediment	Appendix D-Nutrients, Siltation (4a)	
				Slab Cabin Run	Appendix E-Siltation (5)	Thermal Modifications (5)
				Spring Creek	Appendix E-Organic Enrichment/Low D.O., Siltation (5)	

# How much will this all cost?

- Municipalities will need to provide staff
- Fee systems can be considered (usually for both traditional infrastructure and BMPs)
- Look for low-cost BMP options
- Capital funding may be available (PENNVEST)

# Waivers

Waivers are approved if specific  
criteria are met

# Waiver Criteria

## WAIVER ELIGIBILITY INFORMATION

1.	Does the MS4 serve a population of less than 1,000 within the urbanized area? Population in UA: <input type="text"/> Source: <input type="text"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
2.	Does the MS4 serve a population under 10,000 within the municipality seeking a waiver? Population in Municipality: <input type="text"/> Source: <input type="text"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
3.	Does the MS4 have at least one outfall that discharges stormwater to surface waters with an approved TMDL?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
4.	Does the MS4 discharge to any local surface water that is impaired for BOD (organic enrichment), sediment (siltation), pathogens, oil and grease and/or nutrients?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
5.	Is advanced written approval of a waiver attached to this application?	<input type="checkbox"/> Yes	<input type="checkbox"/> No

Send waiver requests to [RA-EPPAMS4@pa.gov](mailto:RA-EPPAMS4@pa.gov)

# Where do it get the forms?

3800-PM-BCW0100e – Waiver Application

3800-PM-BCW0100f – Waiver Instructions

Online:

- eLibrary
- [www.dep.pa.gov/MS4](http://www.dep.pa.gov/MS4)







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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Point and  
Non Point Source Management



**Contact:**

**Bureau of Clean Water**

**(717) 787-5017, or**

**Email [RA-EPPAMS4@pa.gov](mailto:RA-EPPAMS4@pa.gov)**