

ANNUAL WATER QUALITY
MANAGEMENT PUBLIC MEETING
APRIL 18, 2018



Springettsbury Township
York County

Agenda

- MS₄ Program Overview
- MS₄ Program Goals
- 2017 Annual Report
- 2018 Program Goals and Objectives
- Volunteer Opportunities
- Resident Questions and Comments

MS₄ Program Overview

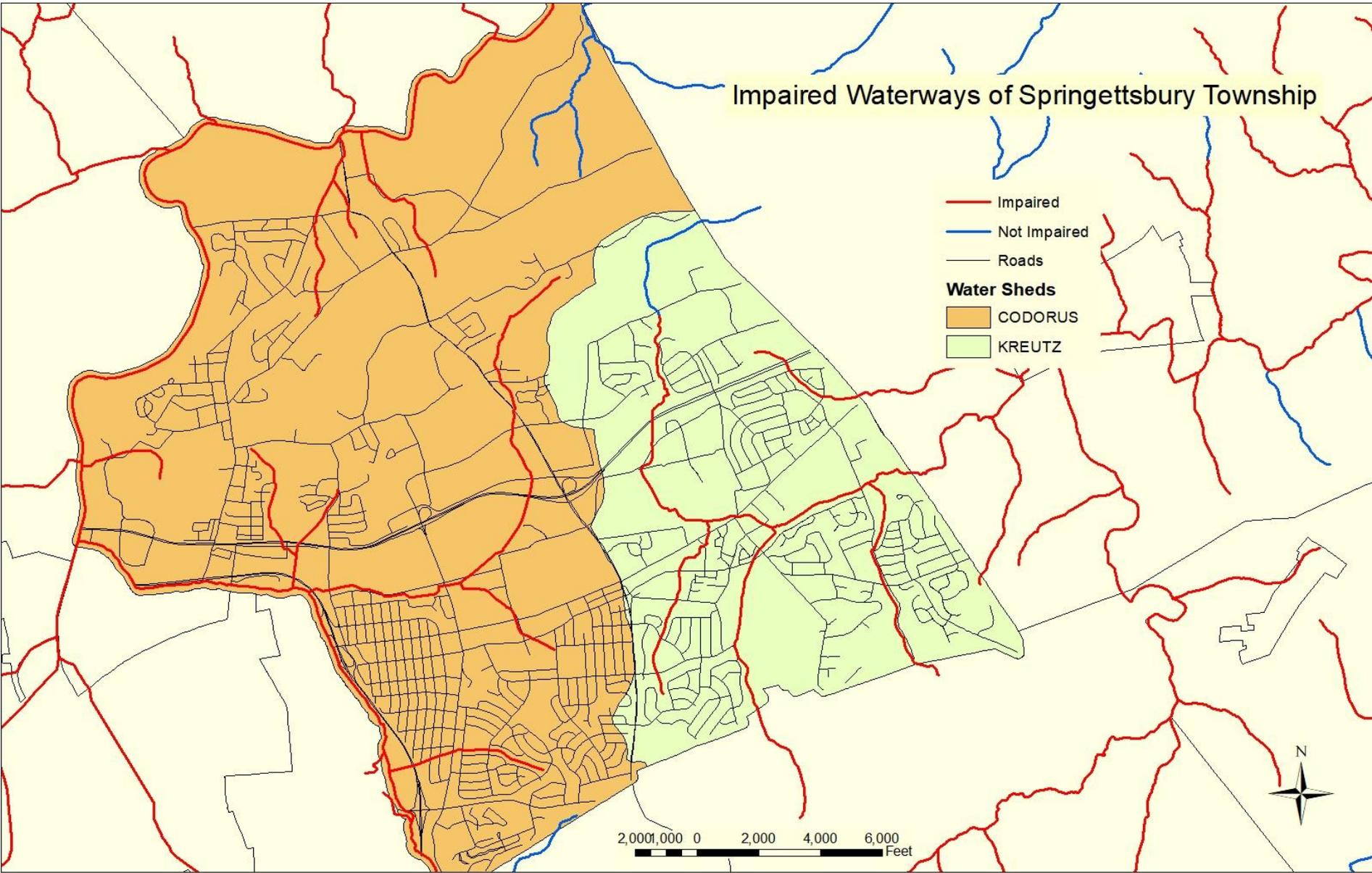
- Municipal Separate Storm Sewer System
- Mandated by the US Clean Water Act 1973
- Enforced by the Environmental Protection Agency (EPA) & the Department of Environmental Protection (DEP).
- Enacted by the Municipality



Impaired Waterways of Springettsbury Township

- Impaired
- Not Impaired
- Roads
- Water Sheds**
 - CODORUS
 - KREUTZ

2,000 0 2,000 4,000 6,000 Feet

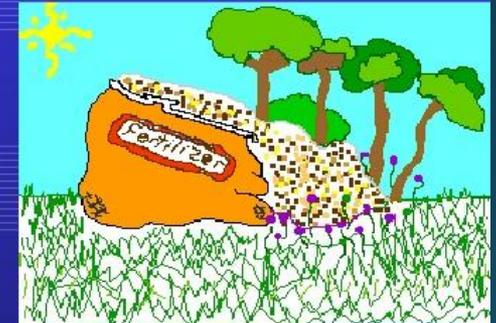


MS₄ Overview



Phosphates and Nitrates

- Phosphates—mostly a result of sewage outflow and from Fertilizer, phosphate detergents



- Nitrates—sewage and fertilizers



MS₄ Program Goals

- Clean water
- Compliance with State & Federal Regulations
- Reduction in flood risks
- A better functioning stormwater system

MS4 Program Objectives

- Pollution Prevention
- Map the Stormwater System
- Integrated & Innovative W.Q. Improvement and Protection standards
- Evaluate Performance

MS₄ Program Components

- MCM 1 – Public Education & Outreach
- MCM 2 – Pub. Involvement & Participation
- MCM 3 – Illicit Discharge Detection and Elimination (IDD&E)



MS₄ Program Components Cont'd

- MCM 4 – Construction Site Stormwater Runoff
- MCM 5 – Post Construction Stormwater Management
- MCM 6 – Pollution Prevention/Good Housekeeping



Minimum Control Measure (MCM) #5

Post-construction Stormwater Management (PCSM) in new development and redevelopment

(i) You must develop, implement, and enforce a program to address storm water runoff from new development and redevelopment projects.

(ii) Develop and implement strategies which include a combination of structural and/or non-structural best management practices (BMPs) appropriate for your community

(iii) Use an ordinance or other regulatory mechanism to address post-construction runoff from new development and redevelopment projects to the extent allowable under State, Tribal or local law.

→ (iv) Ensure adequate long-term operation and ← maintenance of BMPs.



Why do we want to ensure long-term operation and maintenance is occurring?

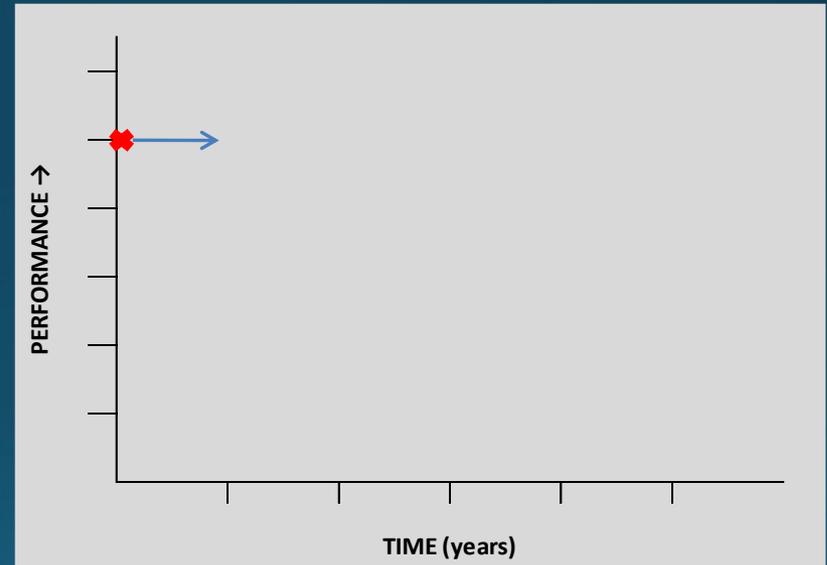
Construction



Cost in general

\$\$\$\$\$+

Performance (new)



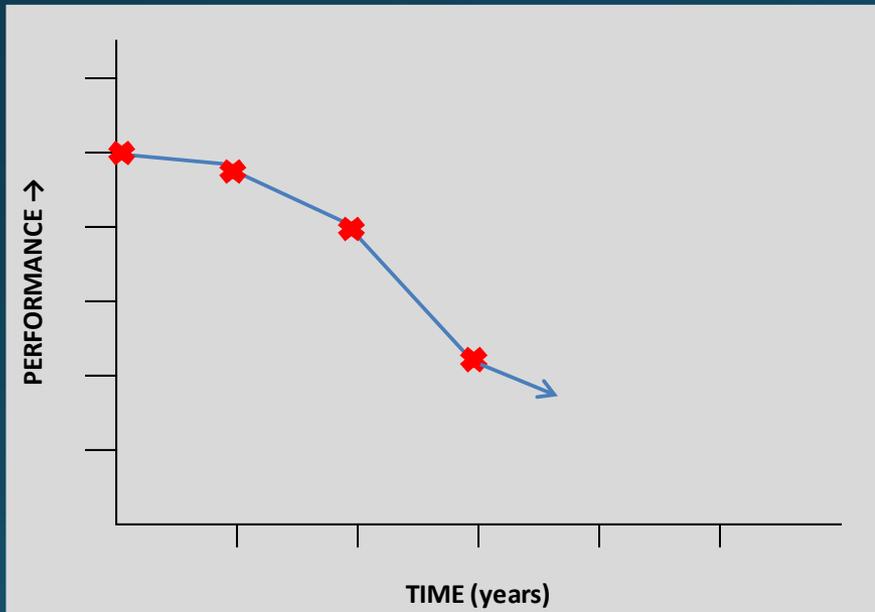
Future cost (maintenance)

0-\$

Why do we want to ensure long-term operation and maintenance is occurring?

When future maintenance is **0-\$**

Performance



Indirect costs

\$\$-

\$\$\$\$+

Why do we want to ensure long-term operation and maintenance is occurring?

Construction



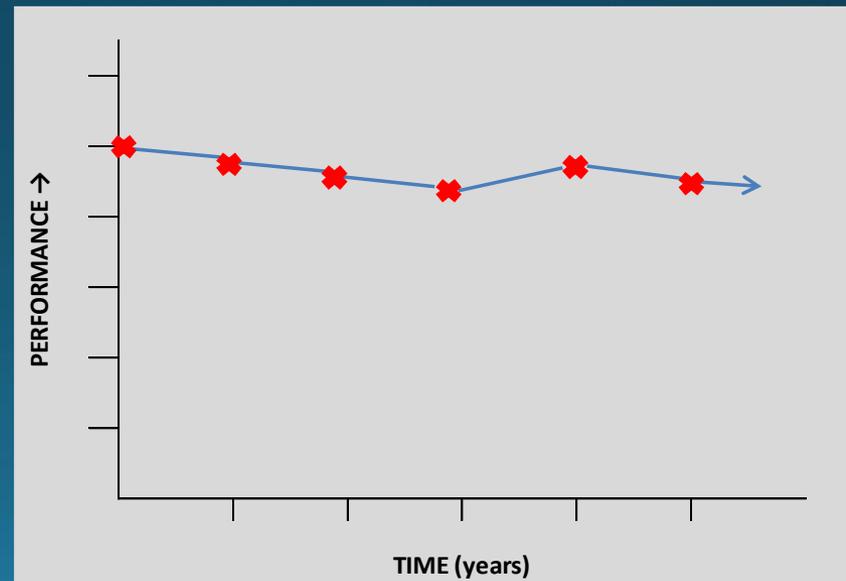
Cost in general

\$\$\$\$\$\$

Future cost (maintenance)

\$-\$\$

Performance



Why do we want to ensure long-term operation and maintenance is occurring?

How

Key word in the requirements is “ensure”...and on an annual basis

Annual Inspections



Verification Form

**PRIVATE TREATMENT CONTROL BMP
OPERATION AND MAINTENANCE VERIFICATION FORM
DETENTION BASINS**

1. Transcribe the following information from your notification letter and make corrections as necessary:

Permit No.: _____
 BMP Location: _____
 Responsible Party: _____
 Phone Number: _____ Email: _____
 Responsible Party Address: _____
Number Street Name & Suffix City/Zip

Check here for Address or phone number change

2. Using the Table below, please describe the inspections and maintenance activities that have been conducted during the permit year (March 16 – March 15), and date(s) maintenance was performed. Under “Results of Inspection,” indicate whether maintenance was required based on each inspection, and if so, what type of maintenance. If maintenance was required, provide the date maintenance was conducted and a description of the maintenance. **REFER TO THE BACK OF THIS SHEET FOR MORE INFORMATION DESCRIBING TYPICAL MAINTENANCE INDICATORS AND MAINTENANCE ACTIVITIES.** If no maintenance was required based on the inspection results, state “no maintenance required.”

What to Look For?	Date Inspected	Results of Inspection: Work Needed? (Yes/No)	Date Maintenance Completed and Description of Maintenance Conducted
Accumulation of Sediment, Litter, Grease			
Standing Water			

Costs

\$\$-\$\$\$\$

Costs

\$-\$\$

2016-2017 Annual Report

- 140 outfalls inspected with less than 2 outfalls showing a dry weather flow
- All were found to be groundwater infiltration with no evidence of illicit discharges.
- Keep up the great work!

2018 Program Objectives

MCM 6 – April through September, 2018

- 20 SOPs written and incorporated into tail gate talks
- Mitigate any existing compliance issues at Township Facilities

MCM 5 – October through December, 2018

- Develop written guidance within the SWMP

MCM₄ – October through December, 2018

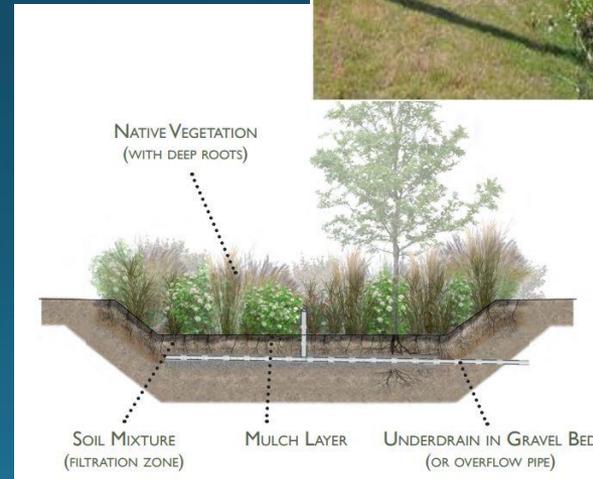
- Determine E&S Responsibilities for projects under an acre of disturbance

MCM 3 – April through December, 2018

- Continue mapping the municipalities MS₄

The Township's 2018-2022 MS4 Program

697,000 lbs. reduction of sediment in 5 yrs.



Volunteer Opportunities

- Great PA Clean Up
 - <http://gacofpa.org/>
 - April 21st Codorus State Park 8:30 PM- 3:00 PM
- Chesapeake Bay Foundation; Riparian Buffers
 - <http://www.cbf.org/events/>
 - April 21st Washington County MD 10:00 AM
- United Way Day of Action
 - <http://www.unitedway-york.org/>
 - June 22nd

Questions & Comments

