

# Smithfield Township's MS4 Program (Municipal Separate Storm Sewer System)

Presentation provided by:



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# MS4 Program

- An MS4 is a collection of storm sewer structures, including basins, ditches, inlets, and piping that are designed to collect and discharge stormwater into streams without prior treatment.
- In 2016 the Township was required to apply for a permit through the Pennsylvania Department of Environmental Protection due to the existing high quality streams, such as the Sambo and Brodhead Creeks, and the population density. This permit has an effective date of September 1, 2018 and expires August 31, 2023.

# Minimum Control Measures (MCM)

- The permit requires the Township to meet six Minimum Control Measures. Through these measures, residents, businesses, and Township staff can learn more about keeping the local streams and environment clean, participate in activities to clean up their communities, and help in preventing and eliminating illicit discharges.
- Status report filed with the Pennsylvania Department of Environmental Protection each year to show compliance with the Minimum Control Measures.

# Minimum Control Measures (MCM)

- #1 - Public Education and Outreach
- #2 - Public Participation and Involvement
- #3 - Illicit Discharge Detection and Elimination
- #4 - Construction Site Stormwater Runoff Controls
- #5 - Post Construction Runoff Controls
- #6 - Pollution Prevention and Good Housekeeping for Municipal Facilities

# MCM #1 – Public Education and Outreach

Information regarding keeping existing streams clean is distributed in various ways, some include:

- Public meeting
- Township website
- Educational material available at municipal building
- Newsletters/Emails
- Social media



# MCM #2 – Public Participation and Involvement

- Volunteer opportunities for public involvement are advertised through the Township's social media, newsletter/emails, website, and municipal building lobby.
- Community and roadside cleanups are volunteer opportunities that have recently occurred.
- The Township has an affiliation with the Brodhead Watershed Association. A link is provided on the Township's website.



# MCM #3 – Illicit Discharge and Elimination

- Illicit Discharges can be caused by a variety of sources:
  - Untreated sewage or septic discharges
  - Dumping of hazardous materials to stormwater inlets
  - Industrial discharges
  - Careless vehicle maintenance
- Illicit discharge education is distributed through the Township's social media, newsletter/emails, website, and municipal building lobby.
- Observation of outfalls are performed twice during the 5-year permit period.



# MCM #4 –

## Construction Site Stormwater Runoff Control

- Township ordinances follow the Pennsylvania Department of Environmental Protection Chapter 102 requirements for erosion and sedimentation controls.
- Projects over 1-acre are required to submit to the Monroe County Conservation District for a review.





# MCM #5 –

## Post-Construction Stormwater Management

- Township has a current Stormwater Management Ordinance that requires stormwater management to address peak flows, water quality, and infiltration/groundwater recharge.
- Projects over 1-acre are required to submit to the Monroe County Conservation District for a review.



# MCM #6 – Pollution Prevention and Good Housekeeping

The Township distributes an operation and maintenance outline to their public works department yearly. The outline discusses the following:

- Awareness of illicit discharges and illegal dumping.
- Excessive sediment, use of erosion and sedimentation controls, and the improper containment of trash on active construction projects.
- Maintenance of existing stormwater management facilities.
- Vehicle maintenance
- Hazardous materials



# Questions and Comments

Additional MS4 educational materials can be found on the Township's the Pennsylvania Department of Environmental Protection's websites.

