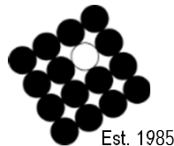


# MS4 Annual Training

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2019 Board of Supervisors  
Annual MS4 Update

February 2019



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Lennon, Smith, Souleret  
Engineering, Inc.

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Civil Engineers and Surveyors

# MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4)

- **Agenda:**

- Updated Permit Schedule
- Annual MS4 Tasks
  - Focus: E&S Control Site Reviews
- Additional 2019 Tasks
  - PRP Progress
  - Pollutant Control Measures



# MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4)

## ● Permit Schedule Update

- September 2017 – Renewal Permit Application Submitted to PADEP
- March 2018 – Permit issued by PADEP
- September 30, 2019 – Next Annual Report Due to PADEP
- March 2023 – Completion date for implementation of Pollutant Reduction Plan (PRP)



# MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4)

## ● Annual MS4 Tasks

- Update and Implement Stormwater Management Program (Written Plan) addressing each MCM:
  - MCM #1 - Public Education and Outreach on Stormwater Impacts
  - MCM #2 - Public Involvement/Participation
  - MCM #3 - Illicit Discharge Detection and Elimination
  - **MCM #4 - Construction Site Stormwater Runoff Control**
  - MCM #5 - Post-Construction Stormwater Management (PCSM) in New and Re-Development Activities
  - MCM #6 - Pollution Prevention/Good Housekeeping
- Continue documentation of all compliance activities



# MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4)

## ● Construction Site E&S Control Reviews

- MCM 4 Requirement: Enact, implement and enforce an ordinance to require implementation of E&S control BMPs, including sanctions for non-compliance
- For compliance, LSSE assists the Township in implementation of a site inspection program
- All sites with active earth disturbance activities or that are under construction are periodically visited to review adequacy of erosion and sedimentation controls
- No sediment or sediment laden runoff (i.e. mud, dirt, etc.) is allowed to be discharged from a site to any stream, roadway storm sewer or adjacent property



# CONSTRUCTION SITE E&S CONTROLS

- **Typical E&S Controls: Rock Construction Entrance**
  - Purpose: Prevent tracking of mud on to adjacent roadway





# CONSTRUCTION SITE E&S CONTROLS

- **Typical E&S Controls: Silt sock or silt fence**
  - Purpose: Control overland sediment laden runoff





# CONSTRUCTION SITE E&S CONTROLS

- **Typical E&S Controls: Silt Sacks**

- Purpose: Collect sediment to prevent discharge to inlets





# MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4)

## ● Construction Site E&S Control Reviews – Documentation

- LSSE completes field observation form for each review conducted. Observations are documented with photos.
- When potential violations are observed, written notification is provided to the property owner requesting remediation.
- Properties with continued violations or property owners that are not responsive to initial notification are issued a Notice of Violation of the erosion and sedimentation control requirements of the Township Stormwater Management Ordinance.



# MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4)

## ● **Additional 2019 Tasks – Pollutant Reduction Plan**

- The Township Pollutant Reduction Plan was approved by PADEP with issuance of the Township's MS4 Permit in March 2018.
- Annual progress in necessary to meet the Pollutant Reduction Requirements by March 2023. Design work is underway for the first project.

## ● **Additional 2019 Tasks – Pollutant Control Measures**

- Required for discharges to waters impaired for Pathogens and PCB – Ohio River and Beaver River
- 2019 Task – Mapping due with September 2019 annual report
- 2020 Task – Identification of potential impairment sources – based on annual outfall screening program
- 2021-2022 Task – Evaluation of identified potential sources



# CONTACTS

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