PERMIT BACKGROUND

• Federal Regulation ➔ EPA NPDES Phase II Stormwater Program (1999)
• State Regulation ➔ PA DEP MS4 Stormwater Permit (2003)
• Overall Requirements
  – Implement a stormwater management program
  – Track progress toward measurable goals
  – Annual reports on progress
WHAT IS MS4?

• An MS4 is a conveyance or system of conveyances that is:
  – Owned by a state, city, town, village, or other public entity that discharges stormwater runoff to waters of the Commonwealth;
  – Designed or used to collect or convey stormwater (including storm drains, pipes, ditches, etc.);
  – Not a combined sewer; and
  – Not part of a sewage treatment plant.

• Shaler Township’s MS4 is comprised of numerous stormwater conveyances that drain into Little Pine Creek, Pine Creek, and Girtys Run watersheds.
SHALER TOWNSHIP RECEIVING STREAMS

- RED = Impaired Stream
MINIMUM CONTROL MEASURES (MCM)

1. Public Education

2. Public Involvement

3. Illicit Discharge, Detection, and Elimination (IDD&E)

4. Construction Site Runoff Control

5. Post Construction Stormwater Management (PCSM)

6. Pollution Prevention & Good Housekeeping
MCM #1 PUBLIC EDUCATION & OUTREACH

- Detailed public education and outreach program (PEOP) plan
- Distribute stormwater related educational materials
- Maintain a list of target audiences
- At least two methods of distribution
  - [http://www.shaler.org/341/Stormwater-Compliance-MS-4](http://www.shaler.org/341/Stormwater-Compliance-MS-4)
  - Municipal Building Bulletin Board
  - InCommunity Magazine
MCM # 2 PUBLIC INVOLVEMENT

- Detailed public involvement and participation program (PIPP) plan
- Provide public notice of upcoming meetings and events
- Solicit input from the public
  - Shaler Neighborhood Improvement Program Clean Up Day – April 23rd, 2016
MCM # 3 ILLICIT DISCHARGE DETECTION & ELIMINATION

- Non-stormwater discharges included in stormwater ordinance
- Develop and continuously update storm sewer system map
- Outfall screenings and pollution removal protocol
- Public education on illicit discharges
- Public reporting of illicit discharges
• Include construction site stormwater management in existing stormwater ordinance
• Coordination with local county conservation district
• Educate construction industry
Stormwater ordinances address operation and maintenance procedures of stormwater management facilities

Encourage the use of innovative stormwater management in all development & redevelopment projects

Ensure adequate operation and maintenance of all post-construction stormwater management BMPs (private and public)
MCM # 6 POLLUTION PREVENTION / GOOD HOUSEKEEPING

• Inventory list of all municipally owned & operated facilities and activities
• Implement and maintain O&M program that focuses on stormwater pollution prevention
• Employee training on good housekeeping practices and pollution prevention

During storage, road salt should be covered to prevent salt from lumping together or being lost with storm water runoff
STORMWATER COMPLAINTS

• Complaints from the public regarding stormwater are encouraged
• Please contact Shaler Township by means of:
  – Phone calls – 412-486-9700
  – Complaint – Website “Report a Concern”
    http://www.shaler.org/RequestTracker.aspx
MS4 AUDITS

- PA DEP Inspection
  - **Performed April 2016**
  - Office Inspection
  - Field Inspection

- EPA Audit
  - Random audits across the state
MS4 AUDITS

• Office Inspection documentation
  – Binders *(Office Inspection List)*
  – Electronic records
  – Detailed MCM Plans

• Prepared Field Inspection
  – Conducted mock inspection *(Field Inspection List)*
  – Public Works Facility (under construction)

• Regulators will assume your activities/efforts have not been completed unless proven through documentation
2018 Permit

• Existing Permit Expires on March 15, 2018
• Municipalities **must** submit a Notice of Intent (NOI) on **September 16, 2017**
• NOI includes
  – Application/Final Progress Report
  – Permit Fee
  – Comprehensive Map
  – Pollutant Reduction Plan, if applicable
  – Memorandum of Understanding
  – Stormwater Management Ordinance
• **Additional Permit Requirements for each MCM**
APPENDIX E – POLLUTANT REDUCTION PLAN (PRP)

MS4 permittees with at least one stormwater discharge to surface waters considered impaired for nutrients (nitrogen and phosphorus) and/or sediment

PRP

- Must be submitted with the NOI
- Must publish a public notice in a newspaper concerning the plan
- Must be published with public comment period 45 days prior to the deadline for submission of the plan to DEP
• Permittee shall achieve Pollutant Load Reductions (lbs/year) proposed in its PRP within 5 years
• Minimum percent reduction for pollutant loadings is 10% for sediment and 5% for nutrients
• The permittee shall submit a report demonstrating implementation of the PRP that is due following completion of the 5th year
OUTFALL SEWERSHED DELINEATION
In order to prepare the PRP each Municipality must determine the following:

- Delineate outfall sewersheds
- The existing pervious/impervious ratio
- The total existing pollutant loads
- Review existing BMPs to determine their load reductions
- Total pollutant load = Total existing load – BMP reductions
- Propose BMPs to remove 10% of the Total Pollutant Loads
- Identify Funding Sources for each
- Plan for project implementation during 5 year permit cycle
Upcoming EVENTS

• **Shaler Neighborhood Improvement Program**
  – Clean Up Day – April 22, 2017

• **Pennsylvania Resources Council**
  – Rain Barrel Workshop at Ross – April 22, 2017
  – Backyard Composting Workshop at Ross – May 6, 2017

[Website links]
www.epa.gov/soakuptherain
http://prc.org
Questions