Lower Allen Township
MS4 Program

Annual Update
And
Public Meeting

March 12, 2018
NPDES Phase 2
MS4 Program

What is MS4?
- Municipal
- Separate
- Storm
- Sewer
- System
A PROGRAM UNDER WHICH A MUNICIPALITY IS ISSUED A PERMIT TO DISCHARGE STORMWATER INTO THE CHESAPEAKE BAY

THE INTENT OF THE MS4 PROGRAM IS TO REDUCE POLLUTANTS INTO WATERS OF THE COMMONWEALTH

THE MS4 PROGRAM IS REGULATED BY BOTH THE UNITED STATES DEPARTMENT OF ENVIRONMENTAL PROTECTION AGENCY (EPA) AND THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION (PADEP)
Storm Water Permit Program for Small Communities

- Federal regulation requires permit for our community
  - National Pollutant Discharge Elimination System (NPDES)

- PA DEP created state permitting program to meet federal regulation
HOW DOES THE MS4 PERMIT WORK?

MUNICIPALITIES ACQUIRE A NPDES PERMIT THAT COVERS A 5 YEAR PERIOD.

THE PERMIT REQUIRES THE MUNICIPALITY TO MEASURE IT’S EFFORTS TO REDUCE POLLUTANTS IN 6 DIFFERENT AREAS.

ANNUALLY, THE MUNICIPALITY MUST REPORT TO PADEP ON HOW THEY HAVE IMPROVED, CHANGED, AND MANAGED THESE AREAS IN ORDER TO MAINTAIN COMPLIANCE WITH THEIR PERMIT.

MINIMUM CONTROL MEASURES MUST BE RE-EVALUATED ANNUALLY TO DETERMINE COMPLIANCE.
Minimum Control Measures (MCMs)

- Public Education and Outreach
- Public Involvement and Participation
- Illicit Discharge Detection and Elimination
- Construction Site Stormwater Runoff Control
- Post Construction Stormwater Management
- Pollution Prevention/Good Housekeeping
GENERAL MS4 PERMIT INFORMATION

NPDES MS4 PAG 133711

- Effective Date: April 1, 2013
- Expiration Date: March 15, 2018

2018 General MS4 Permit

- Effective Date: March 16, 2018
- Expiration Date: March 15, 2023
- First reporting period ends on June 30, 2018
- First Annual Report due September 30, 2018 (April 1, 2017 - June 30, 2018)
- All subsequent Annual Reports due September 30 and will cover the reporting period of July 1 – June 30
Clean Water
Storm Water Pollutants

- Sediment
- Nutrients
- Bacteria
- Oxygen Demand
- Oil and Grease
- Trace Metals
- Toxic Chemicals
- Chlorides
- Thermal Impacts
household wastewater (toilet, sinks, etc.)

catch basin

sewer pipe

storm drain tunnel

2 UNDERGROUND SYSTEMS
LAT Storm Water Program

- Public Education and Outreach
- Public Involvement/Participation
- Illicit Discharge Detection and Elimination
- Construction Site Runoff Control
- Post-Construction Storm Water Management
- Pollution Prevention/Good Housekeeping
MCM #1 - Public Education and Outreach

- Distribute educational materials developed by PA DEP
- Develop outreach plan for community
- Educate public on water quality impacts due to stormwater runoff and steps for reduction of pollutants
MCM #2 - Public Involvement/Participation

- Provide public notice
- Create a public involvement plan
- Hold a public meeting on the program
- Support volunteer programs
  - Water Quality Monitoring
  - Storm Drain Identification
  - Stream Clean-Ups
MCM #3 - Illicit Discharge Detection and Elimination

- Enact DEP’s model ordinance or update our existing ordinance
- Develop storm sewer system map
- Implement program to detect non-storm water in system. Create a reporting mechanism for residents
- Educate community on problems related to dumping in storm sewers
MCM #4 - Construction Site Storm Water Runoff Control

- Enact DEP’s model ordinance or update our existing ordinance
- Coordinate with County Conservation District
  - Erosion and Sediment Control Program
  - NPDES Construction Storm Water Permitting
- Educate construction industry – add contractors/builders to Target Audience List
MCM #5 - Post-Construction Storm Water Management

- Adopt PA DEP’s model storm water management ordinance
- Ensure proper operation and maintenance of post-construction controls
- Continue BMP monitoring through annual mailing and reporting system
MCM #6 - Pollution Prevention/Good Housekeeping

- Implement O & M program that focuses on pollution prevention
- Train municipal employees on good housekeeping practices
- Educate community on pollution prevention
Lower Allen Township
MS4 Program
Near Term Efforts

- Complete and submit annual report
- Refine and continue implementation of SWMP
- Additional program documentation
- Evaluate new permit requirements and prepare implementation schedule
- Implement Chesapeake Bay Pollution Reduction Plan (PRP)
Chesapeake Bay Pollution Reduction Program

- LAT is required to reduce pollutants within the next 5 year permit term period by a 10% reduction in sediment.
- A PRP (Pollution Reduction Plan) has been submitted to DEP by LAT.
- The PRP proposes retrofitting 10 SWM basins to bioretention areas/basins in the township to reduce pollutants to the waters of the commonwealth.
Lower Allen Township
MS4 Program
Longer Term Efforts

- Revise Target audience list as needed
- Step up Public Involvement and Participation and Outreach
- Prepare for program changes in PAG -13
- Greater emphasis on Water Quality
Public Comments

Questions?
For More Information. . .

Daniel Flint, P.E.
- dflint@latwp.org
- 717-975-7575 ext 1101
Township Engineer/Public Works Director

Rebecca Davis
- rdavis@latwp.org
- 717-975-7575 ext 1010
Township MS4 Coordinator