Maidencreek Township Storm Water Management Program

2016 Report and Public Education Meeting

Let’s Talk About Storm Water and…

- How it impacts water quality.
- What our community is required to do under our Phase II Storm Water permit.
- How our citizens can get involved in protecting or water quality.



STORM WATER is rain, snow melt, and other surface runoff and drainage.



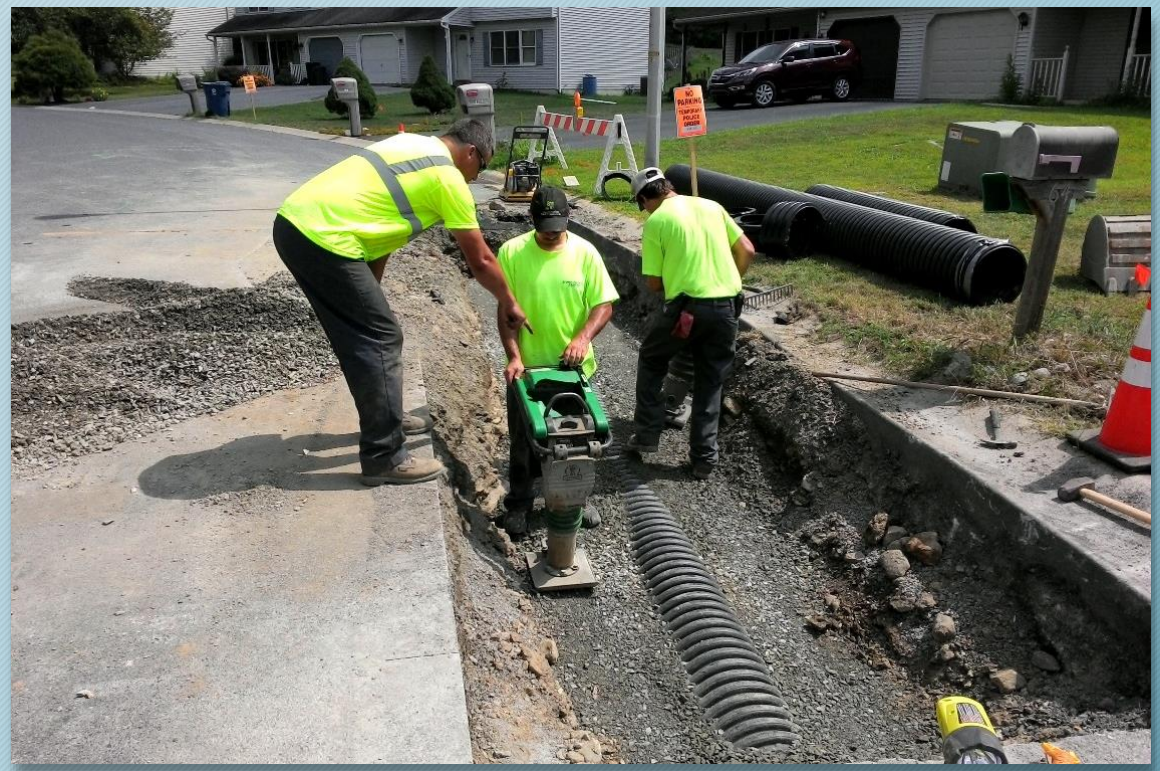
It can travel over land, through pipes or discharge directly into the Willow Creek and the Maiden Creek.

NPDES Storm Water Program regulates Point Source discharge.

Point source storm water is conveyed in:

- Storm water pipes
- Grass swales
- Street curbs

It is not water that sheet flows off agricultural land or parking lots directly into waters of the Commonwealth.

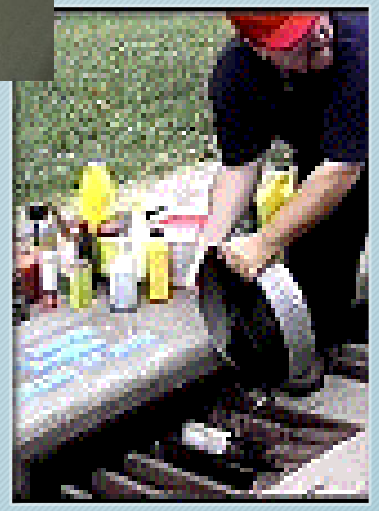


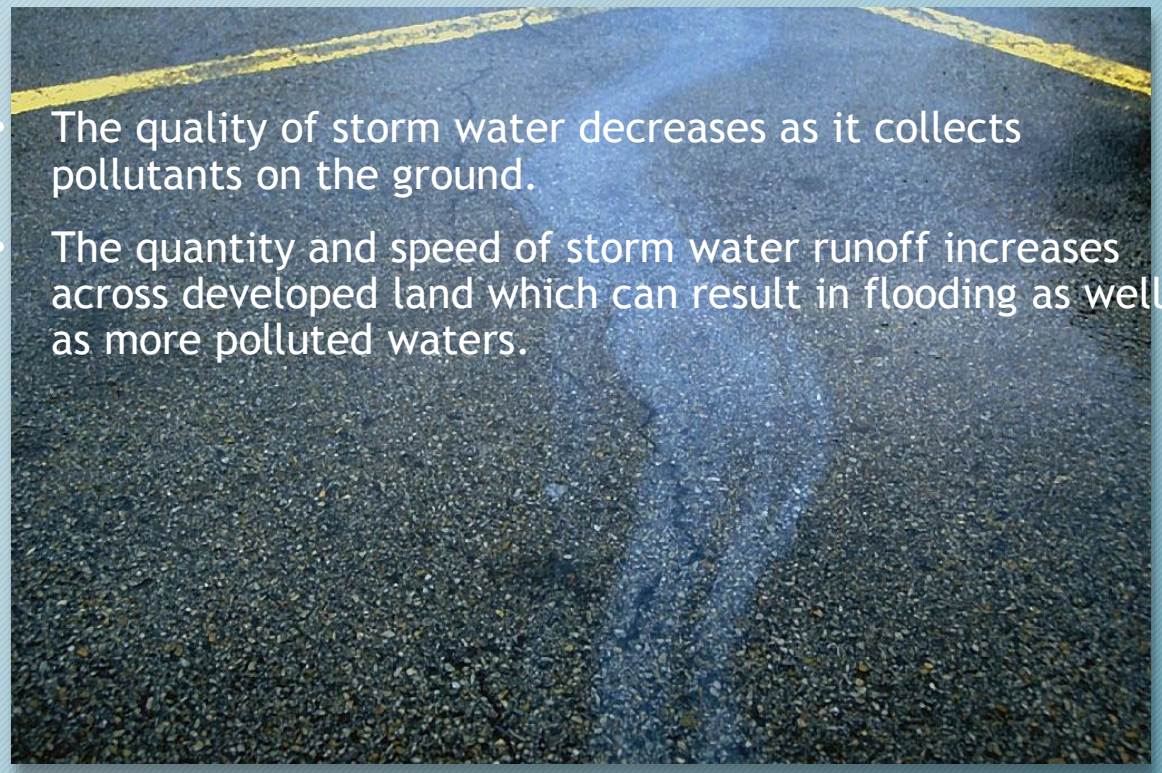
Storm water becomes a problem as a result of our activities on the land.



Pollutants:

- Sediment
- Nutrients
- Illicit Discharges





- The quality of storm water decreases as it collects pollutants on the ground.
- The quantity and speed of storm water runoff increases across developed land which can result in flooding as well as more polluted waters.

Our efforts to lessen the negative impacts of storm water

December 1, 2003 Maidencreek Township's NPDES Permit Issued

National Pollutant Discharge Elimination System

Permit requirement is a result of storm water regulations developed by the EPA under the Clean Water Act.

GOAL – REDUCE POLLUNTANTS ASSOCIATED WITH STORM WATER RUNOFF

What does our permit require?

- Develop and implement a storm water management program consisting of six minimum control measures.
- Track our progress implementing our program against a set of measurable goals.
- Report our progress to the PA DEP and the Community each year through an annual report.

Public Education

Public Involvement

Construction Site Runoff Management

Post-Construction Storm Water Management

Illicit Discharge Detection and Elimination

Good Housekeeping and Pollution Prevention

MCM 1 PEOP and MCM 2 PIPP

- Public Education and Outreach Plan
- Public Involvement and Participation Plan

Maidencreek Township belongs to the Berks County MS4 Steering Committee. The Steering Committee provides an educational program to its members that meets the education and outreach permit requirements for the NPDES program. This meeting is a requirement under our MS4 Permit.

MCM #3 Illicit Discharge Detection & Elimination

Enacted the DEP model ordinance.

Developed a storm sewer system map.

Inspect storm drains to detect non-storm water in system.

Educate the community on problems related to dumping in the storm sewer.



MCM #4 and MCM #5

MCM #4 Construction Site Storm Water Runoff Control

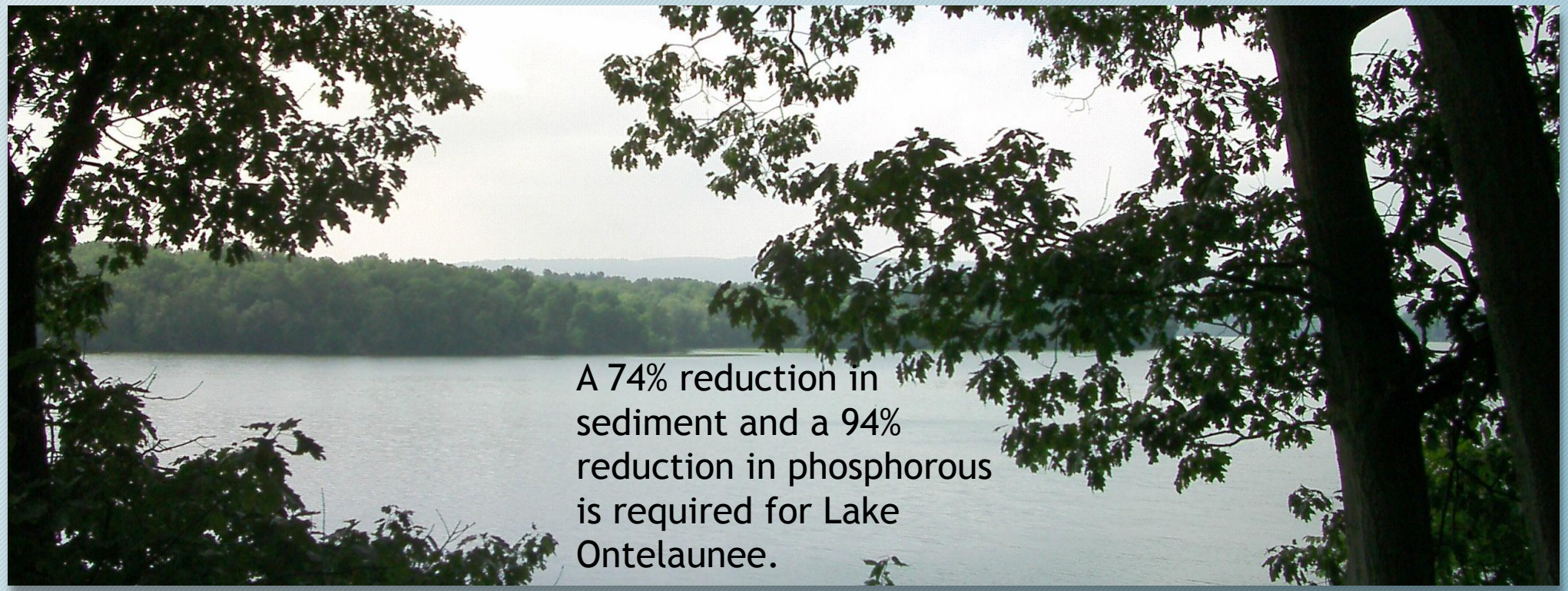
- The Berks County Conservation District reviews all plans for earth disturbance over 1 acre prior to formal approval of land development plans and building permits.

MCM #5 Post-Construction Storm Water Management

- The Township has just started developing a list of storm water facilities installed after 2003. This facilities must be monitored to ensure they are functioning as designed.

MCM #6 Pollution Prevention/Good Housekeeping

- Implement an Operation and Maintenance program for Municipal Operations.
    - Vehicle Maintenance
    - Storm Water Facility Operation & Maintenance
- Train employees in good housekeeping practices.
    - July 29 Dechlorination Protecting the Waters of the Commonwealth
    - Aug. 11 Surviving a DEP Audit
    - Oct. 13 Environmentally Sensitive Maintenance of Dirt & Gravel Roads
    - Dec. 8 Winter Weather and MS4 Preparation
- Educate the community on pollution prevention.
    - Newsletter articles
    - Storm drain marking



TMDL Strategy

Encourage property owners to voluntarily implement measures to mitigate sediment and phosphorous runoff.

How will our program benefit the community?

- Enhanced fishing. Healthier fish – healthier you!
- Reduced flood damage.
- Improved drinking water quality and recharge to the groundwater supply.

EVERYONE'S PARTICIPATION IS NECESSARY FOR SUCCESS!