

When It Rains, It Drains

**An Overview of
Our Community's New
Storm Water
Management Program**





Clean Water

Let's Talk About . . .

- What storm water is and why it can be a problem in our community.**
- What our community is doing to manage storm water and how these activities will benefit us.**

What is Storm Water?

- Rain events
- Snow melt
- Other surface runoff and drainage



Where Does Storm Water Go In Our Community?

- Travels over land
- Carried through municipal separate storm sewer system (MS4)
- Discharges into streams, creeks and rivers

A “Point” of Confusion: Point Source vs. Nonpoint Source

■ POINT source

- Travels through a conveyance system
- Regulated under permit program

■ NONPOINT source

- Runoff that is not a point source
- Addressed through voluntary programs

Why is Storm Water a Problem?

- Problem: Decrease in quality
- Problem: Increase in quantity
- Cause: Developed and disturbed land









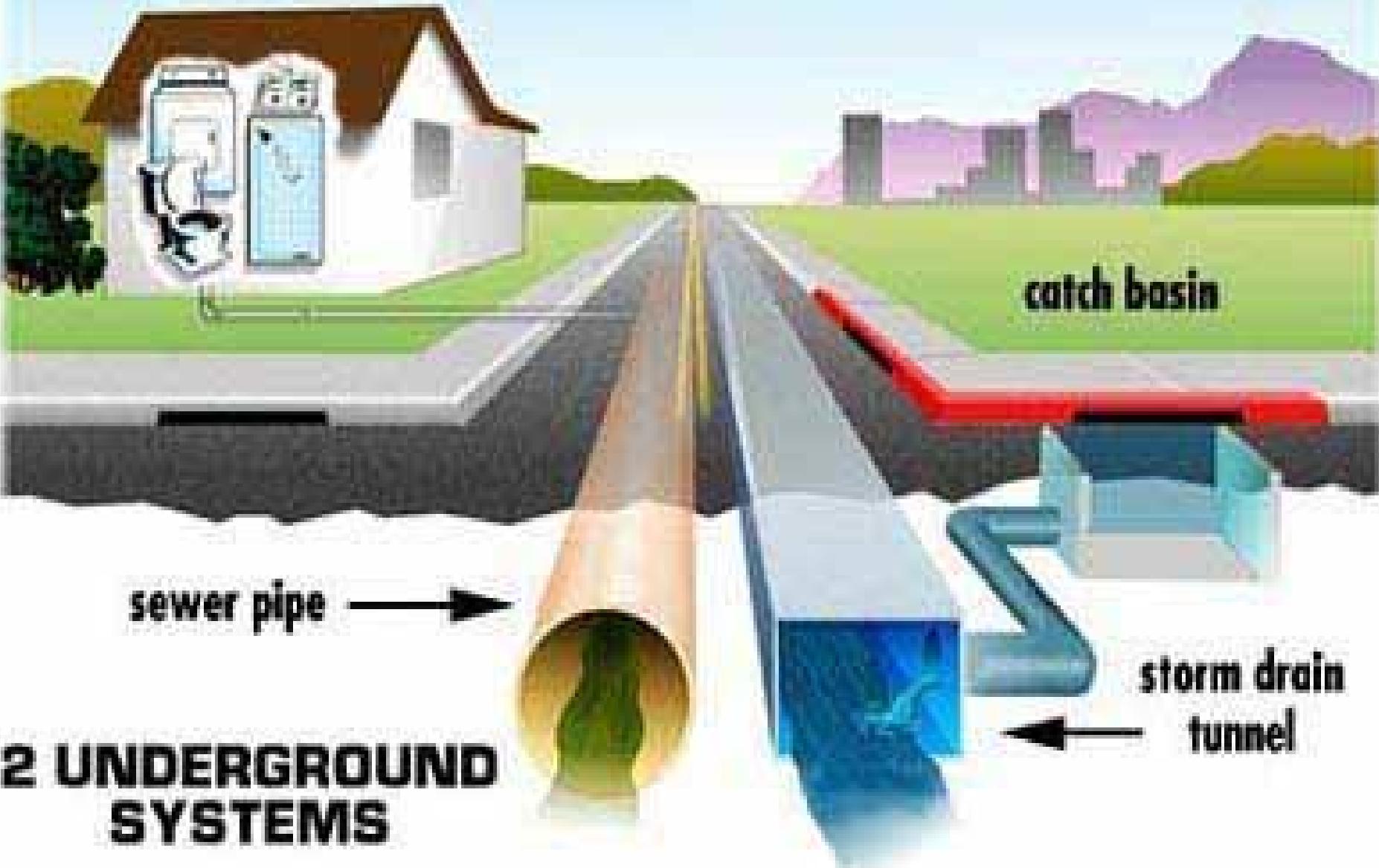


Why is Storm Water a Problem?

- **Problem: Non-storm water discharges enter systems**
- **Cause: Illicit discharges**
- **Cause: Illicit connections**



**household wastewater
(toilet, sinks, etc.)**



Storm Water Pollutants

- Sediment
- Nutrients
- Bacteria
- Oxygen Demand
- Oil and Grease
- Trace Metals
- Toxic Chemicals
- Chlorides
- Thermal Impacts

PA Water Quality and Storm Water Impacts

- **Total of 83,161 stream miles in PA**
 - 54% of total assessed
- **18.1% of assessed waters degraded**
- **Urban runoff #3 source of impairment**
 - 1187 miles of rivers and streams
 - 14.5% of all impaired river and stream miles

From 2001 305(b) Report Update

**Now We Know About
Storm Water and Its
Impacts on Our
Community. . .**

**But What Are We
Doing About It?**

Storm Water Permit Program for Small Communities

- New federal regulation requires permit for our community
- PA DEP created state permitting program to meet federal regulation

What Does Our Permit Require?

- Implement a storm water management program
- Track progress toward goals
- Report on our progress

Our Storm Water Program

- Public Education**
- Construction Site Runoff Management**
- Illicit Discharge Detection and Elimination**
- Public Involvement**
- Post-Construction Storm Water Management**
- Good Housekeeping and Pollution Prevention**

Public Education and Outreach

- Distribute educational materials developed by PA DEP**
- Develop outreach plan for community**

Public Involvement/Participation

- Provide public notice**
- Create an public involvement plan**
- Hold a public meeting on the program**
- Start a volunteer program**
 - Water Quality Monitoring**
 - Storm Drain Stenciling**
 - Stream Clean-Ups**

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**
- Educate community on problems related to dumping in storm sewers**

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

Post-Construction Storm Water Management

- Adopt PA DEP's model storm water management ordinance
- Ensure proper operation and maintenance of post-construction controls

Pollution Prevention/ Good Housekeeping

- Implement O & M program that focuses on pollution prevention
- Train community employees on good housekeeping practices
- Educate community on pollution prevention

How Will Our Storm Water Program Benefit Our Community?



Expected Benefits of Our Storm Water Program

- Enhanced fishing
- Enhanced opportunities for recreation
- Reduced flood damage
- Drinking water benefits
- Navigational benefits
- Reduced illness
- Enhanced aesthetic value

How Can You Get Involved?

- Pass on information about the storm water program to other community residents**
- Report any storm water issues to the Township 610-678-5393**

For More Information. . .

- Check out the Township website at:

www.springtwpberks.org

Or

- PADEP website at
www.dep.state.pa.us and click on the direct link “stormwater”