

When It Rains, It Drains

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





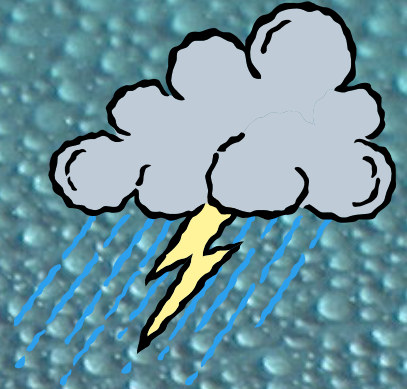
Clean Water

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 (insert name of water bodies)

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.)

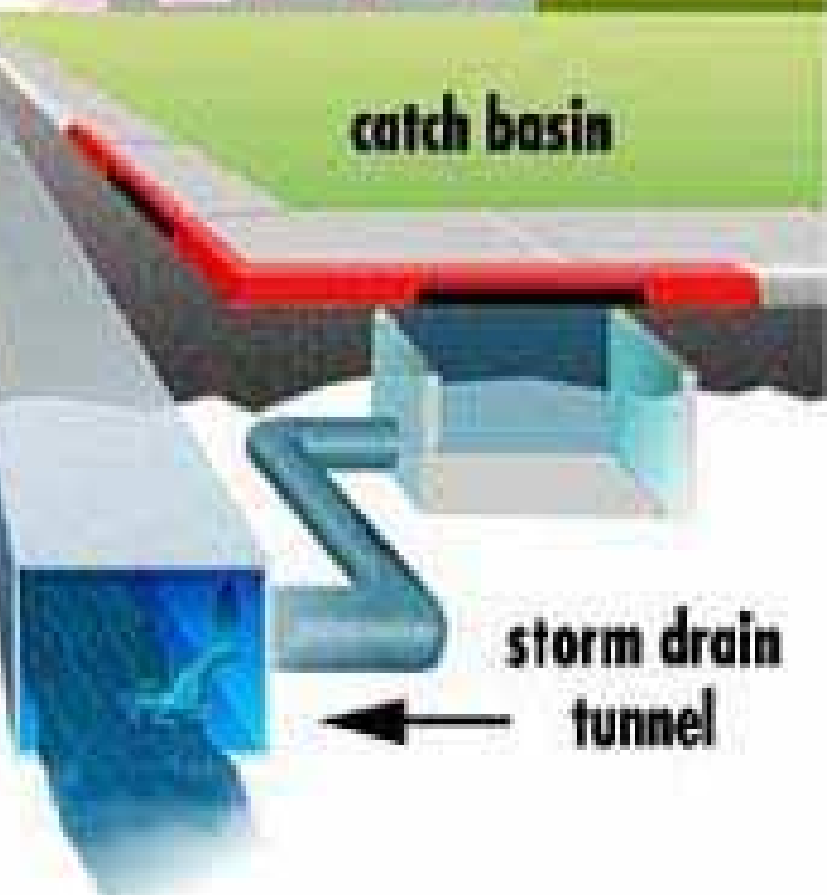


catch basin

sewer pipe →



storm drain
tunnel ←



**2 UNDERGROUND
SYSTEMS**

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 83,438 stream miles in PA Assessed
 - Total of approximately 86,000 miles in PA
- 24.2% of assessed waters are impaired
- Urban runoff #3 source of impairment
 - 4,325 miles of rivers and streams
 - 21.4% of all impaired river and stream miles

**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

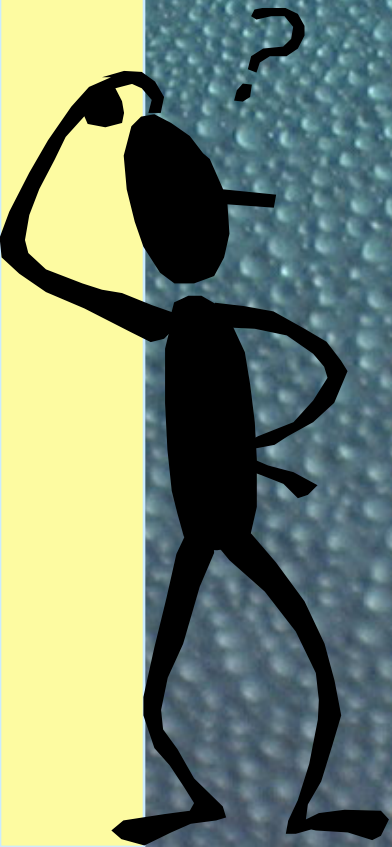
Post-Construction Storm Water Management

- 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 (insert name of appropriate contact)

For More Information. . .

- (Insert appropriate names, phone numbers, email addresses, web sites, etc.)