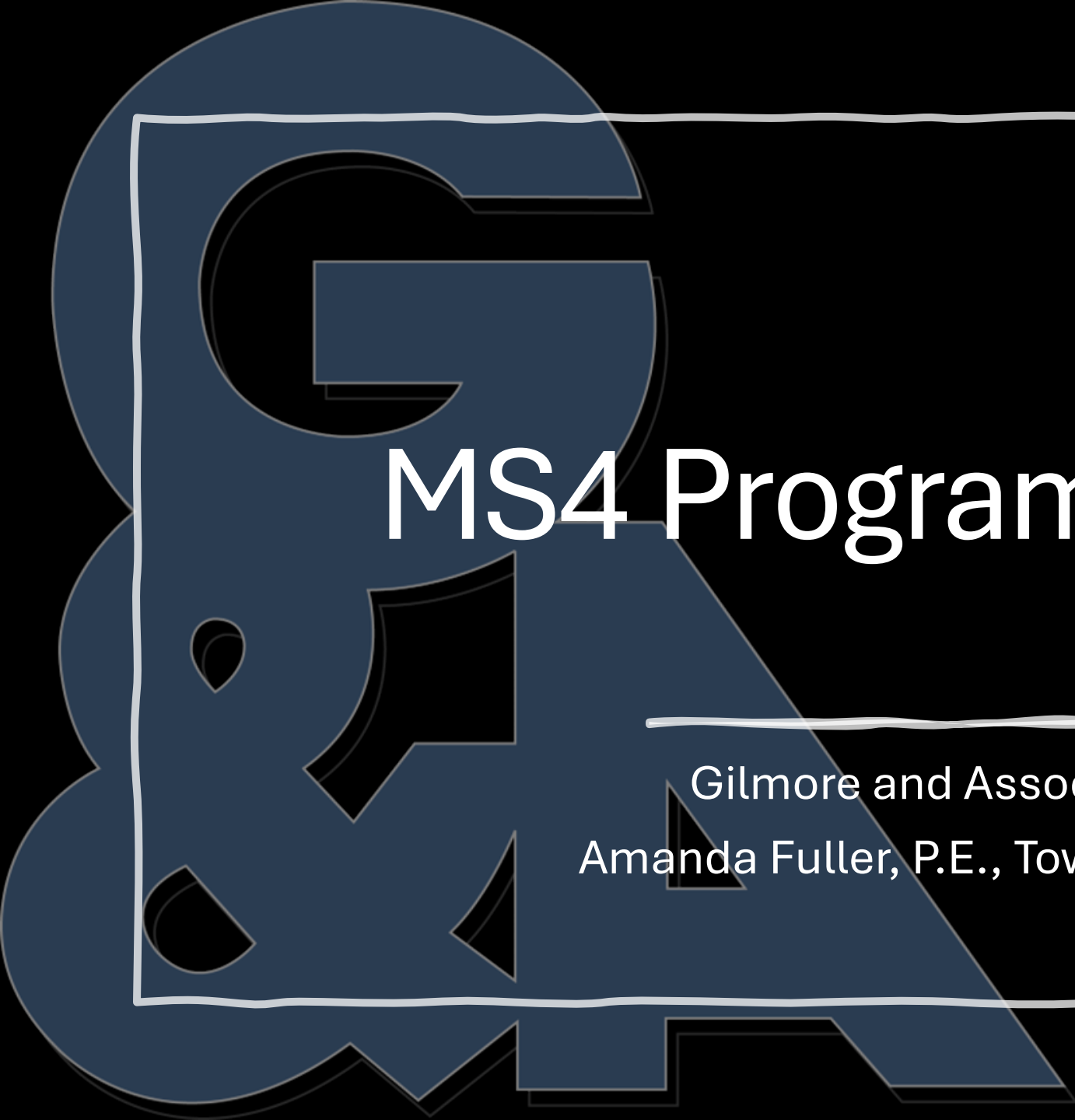




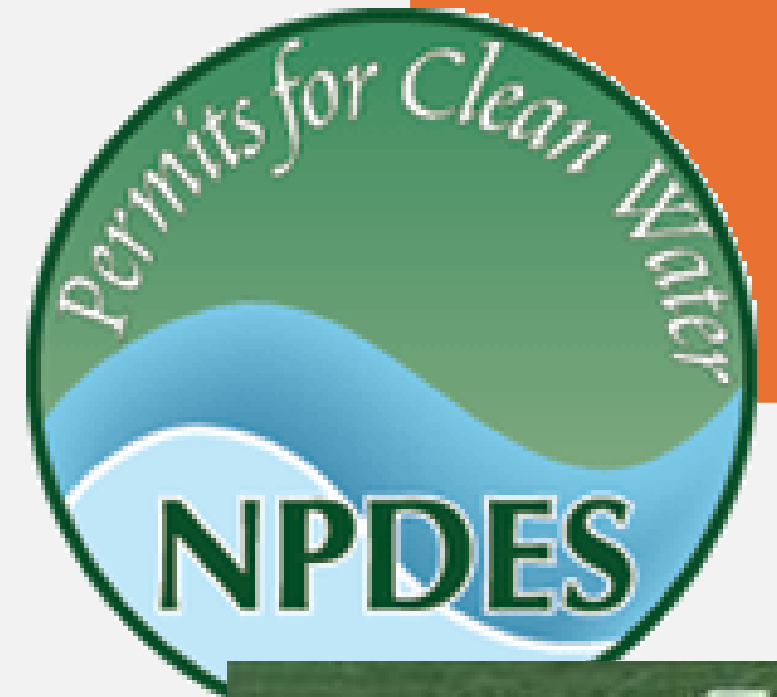
MS4 Program Updates

Gilmore and Associates, Inc.

Amanda Fuller, P.E., Township Engineer

What is the NPDES MS4 Program?

- **Municipal Separate Storm Sewer System**
- **National Pollutant Discharge Elimination System**
- Federally Mandated Permit Program (enforced by EPA) → PA DEP
- Program Goals
 - Recognize and increase awareness of stormwater as a point-source pollutant
 - Work collectively to prevent pollutants in our waterways





What is the NPDES MS4 Program?

Core Components of the Township MS4 Program

1. Public Education
2. Public Involvement & Participation
3. Illicit Discharge Detection & Elimination
4. Construction Site Stormwater Runoff Control
5. Post Construction Stormwater Management for Development
6. Good Housekeeping for Municipal Operations

What can residents do to help keep the waterways clean?

Vehicle Care

- Use water friendly soaps when washing your car
- Prevent the water from reaching the stormwater drain

Yard Care

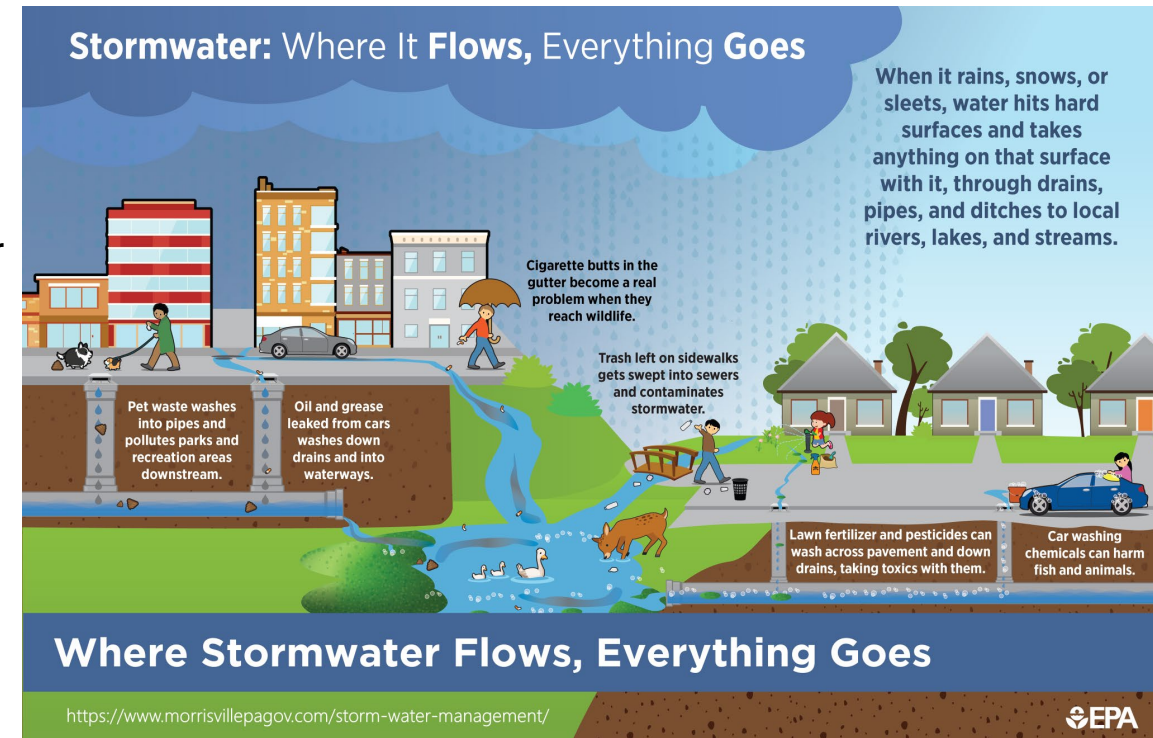
- Clean up after pets
- If you fertilize – use sparingly and follow directions
- Rake leaves and grass clippings away from stormwater drains

Snow

- Pile your snow where it is most likely to soak into the ground not into a stormwater drain

Property/Home Care

- Properly dispose of hazardous substances
- Pick up any trash on sidewalks to keep it from entering the stormwater drains

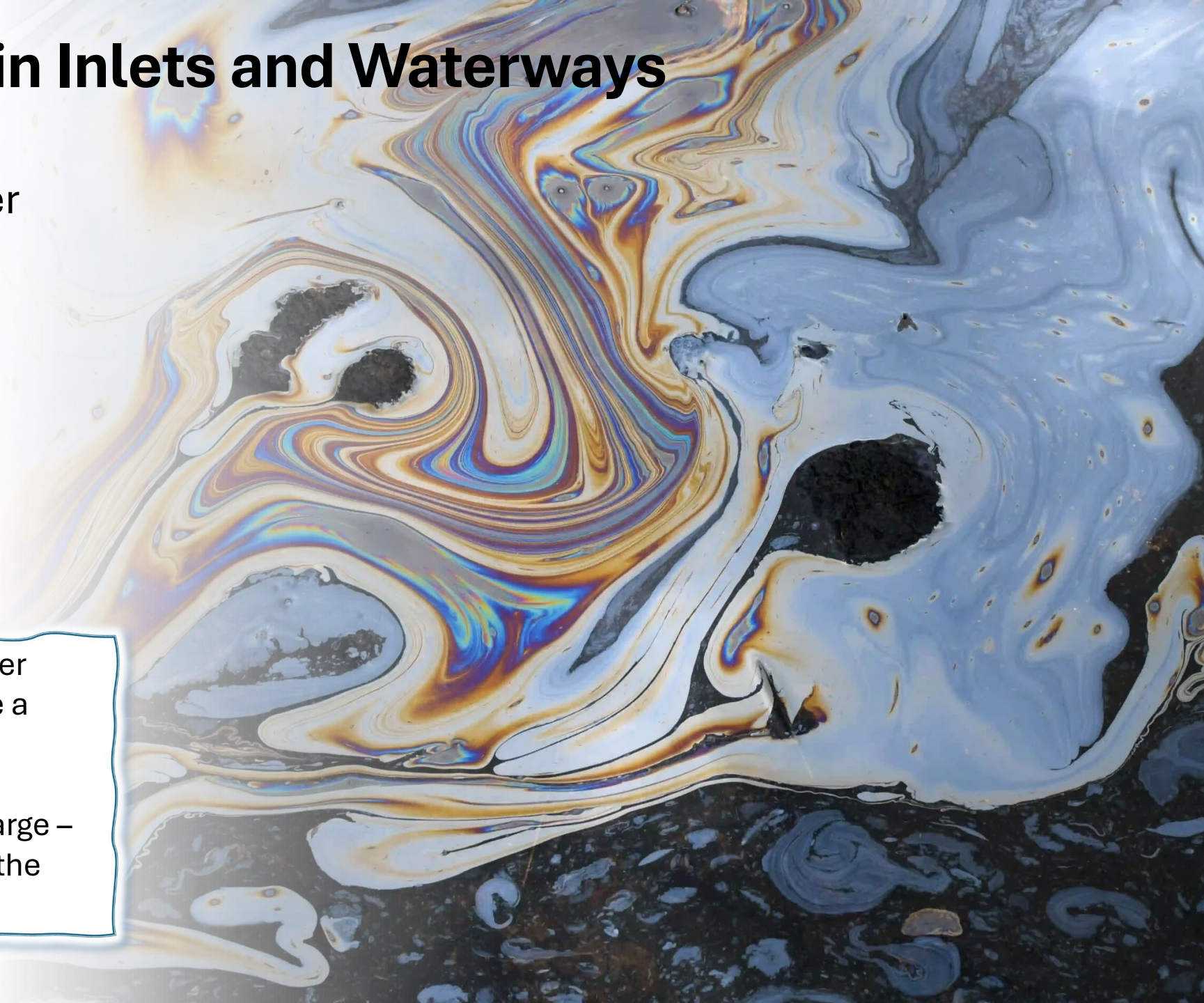


Signs of Pollution in Inlets and Waterways

- Discolored or muddy water
- Sheen, film or foam
- Odor
- Garbage, debris
- Dead fish
- Algal Blooms

Storm drains are not designed to filter pollutants, so illicit discharges pose a serious risk to water quality.

If you see or suspect an illicit discharge – you can fill out a form online or call the Township at (215) 357-6800.



What is a Pollutant Reduction Plan?

Reduce the sediment load by 10% to **Neshaminy Creek** over the 5-year permit term.

- Rain Gardens
- Basin Retrofits
- Stream Restoration
- Riparian Buffer Enhancement
- New Stormwater Management Facilities



Project Status

- 8-10 Basin Retrofits need to be completed.
- 2 Basin Retrofit Projects have been completed so far:
 - Eagle Valley
 - Northampton Crossing
- Design is underway for two basin retrofits in Tanner Estates
 - Orthodox Drive
 - Syracuse Lane
- A grant application has been submitted for an additional basin retrofits at Misty Meadow Drive.



Next Steps

1. Continue to apply for grant funding for basin retrofit projects.
2. Continue compliance with annual MS4 requirements.
3. Monitor requirements for next permit cycle.

For additional Information:

Township Website – northhamptontownship.com

➡ Information

➡ Stormwater Management



The goal is “Only Rain Down Your Drain”

