



Manchester Township

Municipal Seperate Storm Sewer System (MS-4) Program Onboarding





Agenda



MS4 Program Approach



Program Overview



Typical Annual Tasks



Successful implementation of your MS4 Program occurs over a period of time with gradual changes to behavior.

Implementation Approach

1. Proactive

- Requires Coordination throughout the year.

2. Deliberate

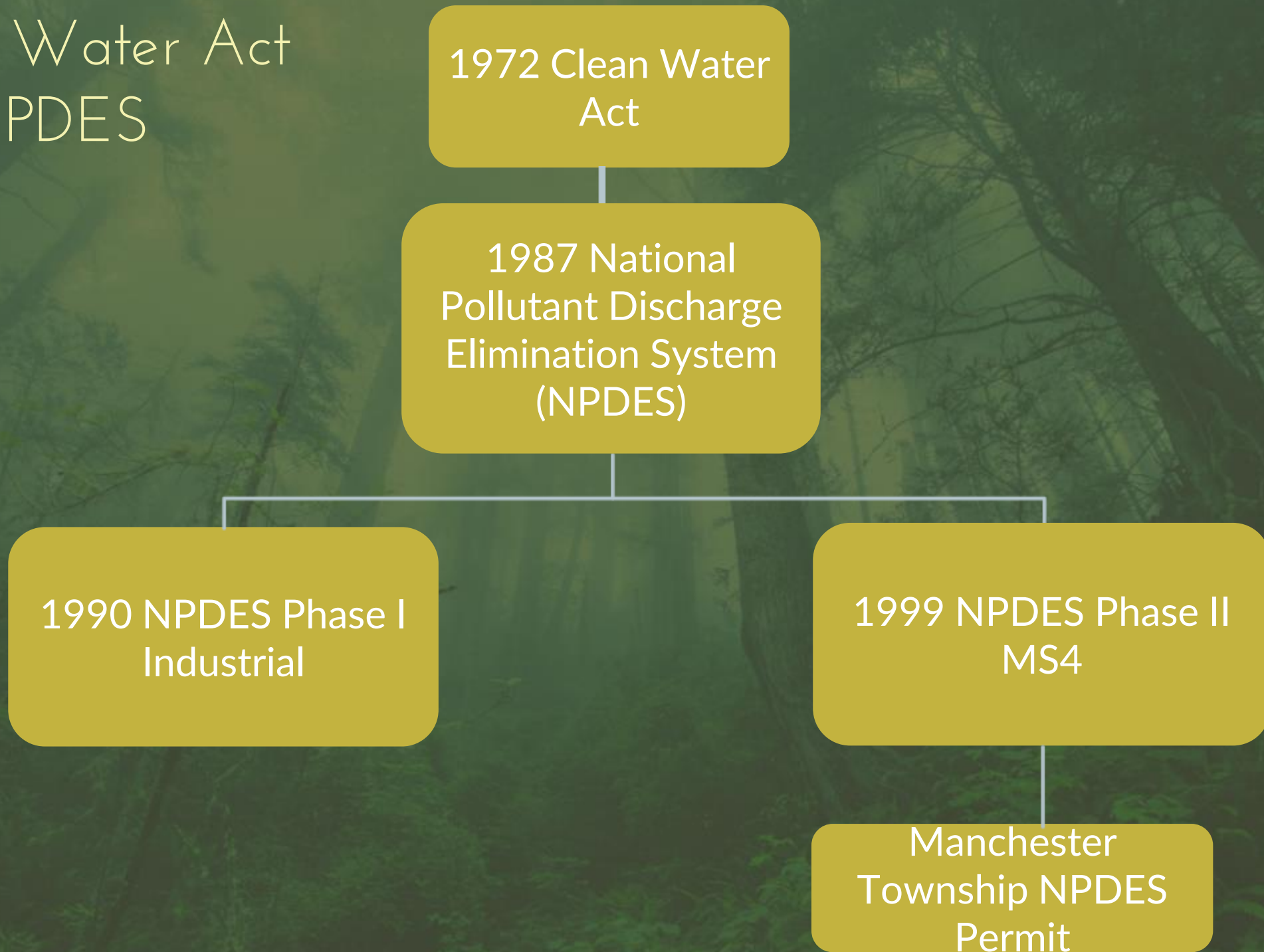
- Identify Target Audience Priorities.
- Target Pollutants of Concern.

3. Realistic

- Do what you say; Say what you do



US Clean Water Act & NPDES

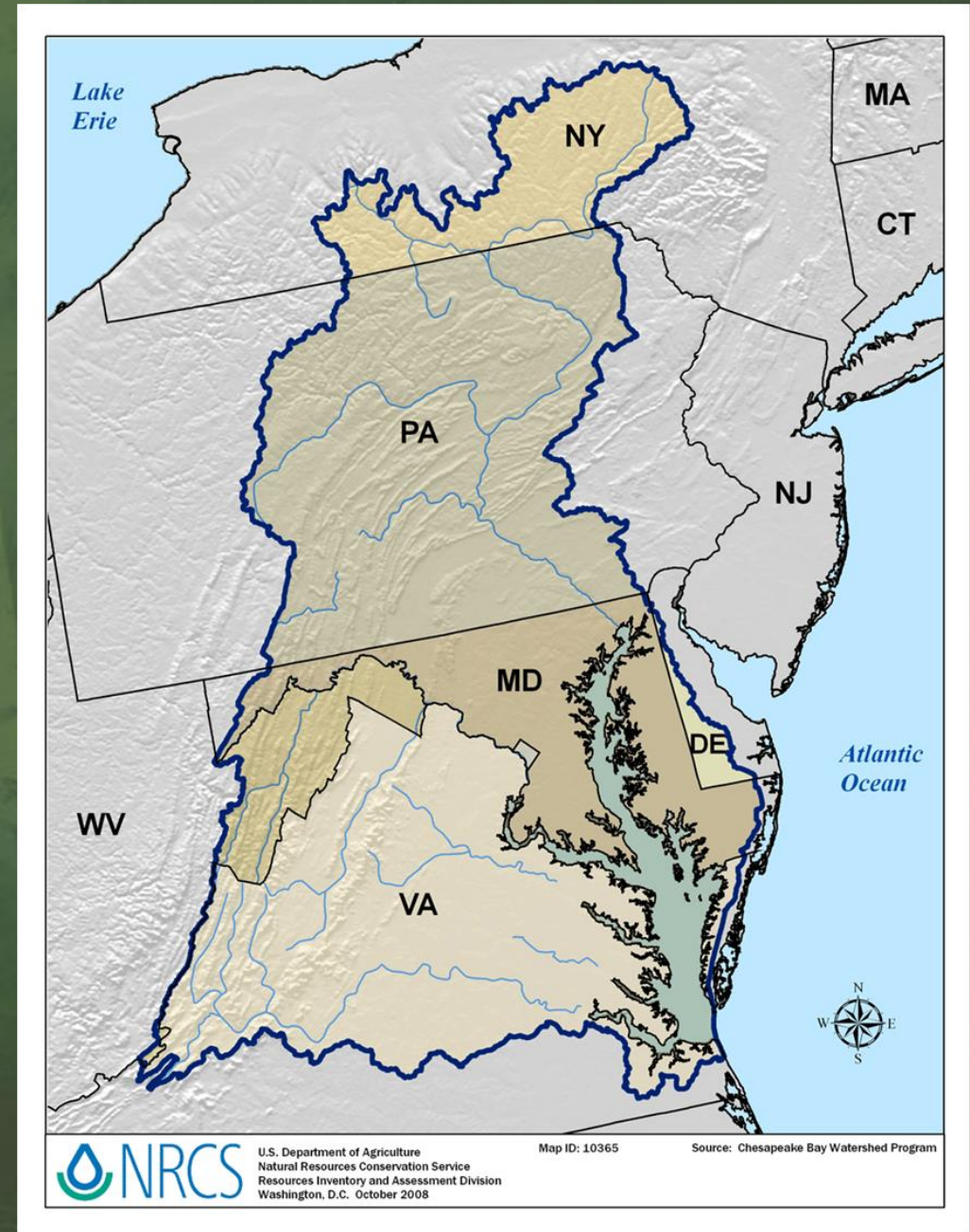


Chesapeake Bay Foundation

Chesapeake Bay
Foundation V. US EPA

8 TMDLs created: EPA,
DC, DE, MD, NY, VA,
WV, and PA
- State Level Pollution guidelines

PA Watershed
Implementation Plan
- Phase III WIP, currently



Pennsylvania TMDL Goals

[PA](#)

Nitrogen.

78,995,996

37%

Phosphorus

3,570,897

40%

Sediment

1,945,232,075

35%

PENNSYLVANIA'S 2017 MIDPOINT PROGRESS TOWARD POLLUTION REDUCTIONS

By 2017, practices should have been in place to achieve 60 percent of the 2025 pollution reduction goals. Here's a look at how Pennsylvania performed. [Key.](#)

		Nitrogen	Phosphorus	Sediment
PA PENNSYLVANIA	Agriculture			
	U&S Polluted Runoff†			
	Wastewater & CSO††			N/A*
	ALL SOURCES			

Key

	Did not achieve	*	No contribution from this source sector
	Within 5% of achieving	†	Urban & Suburban
	Achieved	††	Combined Sewer Outflow

MS4

*Municipal Separate Storm
Sewer System*



MS4 Minimum Control Measures

- MCM 1 - Public Education and Outreach Plan (PEOP)
- MCM 2 - Public Involvement & Participation Plan (PIPP)
- MCM 3 - Illicit Discharge Detection & Elimination (IDD&E)
- MCM 4 - Construction Site Stormwater Runoff
- MCM 5 - Post Construction Stormwater Runoff
- MCM 6 - Pollution Prevention & Good Housekeeping

MCM 1 - Public Outreach & Education

- Written Plan
- Target Audience
 - Faith & Civic Organizations
 - Scouts
 - Businesses & Employers
 - Residents, Bor. Employees & Officials
- 3 Methods of Publication
 - Website
 - Newsletter
 - Handouts at Office



MCM 2- Public Involvement & Participation

- o Written Plan
- o Involvement &
Collaboration
 - Church + Scout Troop =
Stream Clean up @ Musser's
Run
- o Public Meeting



MCM 3- Illicit Discharge Detection & Elimination

- Written Plan
- MS4 System Mapping
- Outfall Inspections
- Stormwater Ordinance
- IDD&E Educational Items



MCM 4- Construction Site Stormwater Run Off

- Written Plan
- Coordination with YCCD
- NPDES Permit
- E&S Controls



MCM 5- Post Construction Stormwater Management

- Written Plan
- Enact Stormwater Management Ord.
- Encourage Low Impact Development
- Ensure Proper Operation & Maintenance of BMPs



MCM 6- Pollution Prevention & Good Housekeeping

- Written Plan
- Assets & Activities List.
- Standard Operation & Maintenance Procedures
- Employee Training Schedule



Typical Annual Tasks

- Review & Update Written Plans Annually
- Review Roles & Responsibilities
- Develop Meeting Schedule
- Update/Review Target Audience
- Publish Materials in Website / Newsletter

Typical Annual Tasks

- Provide Informational Handouts to Target Audience
- Create or make connections to Volunteer Opportunities
- Conduct outfall & BMP Inspections
- Create/Update Asset and Activities List and accompanying O&M Procedures
- Conduct Employee Training



Questions?