

MS4 MUNICIPAL SEPARATE STORM SEWER SYSTEMS

Purpose

The magnitude of the MS₄ program

Where do the stormwater dollars go

Benefits

Authority



What is the purpose of the MS4 program?

- To improve urban water quality and promote clean water
- How many people can live without clean water?



The magnitude of the MS4 program:

Activities

- Keeping up with your program schedule,
 - Documentation of your activities,
 - Meeting deadlines, (annual report)
- Keeping abreast of training and education opportunities,
 - Improving and protecting water quality,
- Implementation of the six minimum control measures,
 - Educating new elected officials when administration changes,
- Getting people involved,
More, more, more!!!!



Management of the MS4 program is a full time job.

Managers must understand the permit requirements, statutes, be an educator, sales person, field technician, sleuth, researcher, technical writer, politician, negotiator, leader, and....?

The stormwater program manager is superman.



Seven program components

1. Public Education
2. Public Outreach
3. Illicit Discharge Detection and Elimination
4. Construction site runoff control
5. Stormwater management at New and Re-Development sites
6. Good Housekeeping
7. Impaired stream and TMDL requirements

MS₄ program – six distinct program components

Public Education and Outreach – Educator, trainer, researcher, behavior analyst, social marketer, +

Public Involvement – Event planner, educator,

Illicit Discharge Detection and Elimination – Sleuth, investigator, enforcer, field technician, researcher for the Ordinance, salesperson,

Construction site runoff control – Researcher for the ordinance, diplomat, field inspector, enforcer, educator, +

Stormwater Management for new and re-development – Researcher, salesperson, technical writer, plan reviewer, record keeper, field inspector, enforcer, educator, +

Good Housekeeping at Municipal Operations – housekeeper, technical writer, educator, field inspector, mediator, negotiator, +

Let's not forget - TMDLs and Impaired water bodies:

monitoring
recordkeeping,
Analyzing impacts

All Minimum Control Measure require that you *evaluate* the effectiveness.

Where does the money go?

1. Mapping (subcontracted)
2. Operation & Maintenance of storm sewers
personnel, payroll, equipment, & materials
3. MS₄ Administration
Personnel, payroll, program budget, includes the
6 minimum control measures
- 1 or 4. Capital construction projects

The Benefits of a dedicated funding stream

- Clean water. Clean water is something that all citizens need.
- Managing stormwater (polluted) runoff proactively will improve the **quality of life** for residents.

What if this was your backyard?



Quality of Life?



Benefits

- Formation of a stormwater utility demonstrates that the municipality is committed to managing stormwater.
- A stormwater utility provides the financial means for the municipality to address and undertake actions to manage stormwater that can reduce nuisance flooding.

In providing and implementing management measures to promote cleaner water – nuisance flooding will be reduced and quality of life will improve



Benefits

- A stormwater utility makes it possible to invest in infrastructure and conduct projects in a way that supports local jobs.
- A Utility creates a fair mechanism for paying for repairs and improvements to the storm sewer system – And, for implementing a mandated environmental program (MS₄).

Benefits

- A stormwater utility provides a dedicated funding stream to support the administration and implementation of stormwater management requirements and activities.
- Provides the capacity to maintain compliance with Federal and State stormwater regulations.

Authority

- West Virginia State Code – Chapter 8-20-10

“The governing body of a municipality availing itself of the provisions of this article shall have plenary power and authority to make, enact and enforce all necessary rules for the repair, maintenance, operation and management of the combined system of the municipality and for the use thereof.”

Combined system means a “combined waterworks, sewerage and stormwater system...”

Authority

- Chapter 8-20-10

"A municipality has the plenary power and authority to charge the users for the use and service of a combined system and to establish required deposits, rates, fees or charges for such purpose."

Authority

- Chapter 8-20-11a

“The municipality and any county government, state government and federal government served by the services of the combined system shall be subject to the same rates, fees or charges established in this article...”

- Except – DOH is not subject to the fees.

Clean water matters

