

207th Technical Committee Meeting

Agenda Item 11: Storm Water Abatement Report (informational item)

Steve Braun
sbraun@orsanco.org



Status of MS4

MS4 – Municipal Separate Storm Sewer Systems

Regulation of Stormwater is Intended to reduce pollutants that are carried to waterways via storm sewers from urbanized areas, Industrial and Construction Activities

Carried out in two Phases

- Phase I
- Phase II



Phase I MS4's

- Began in 1990
- Permit needed if:
 - Medium to Large Communities serving a population of >100,000
 - Industry falls within one of 10 categories
 - Construction Sites disturbing more than 5 acres of land
- Must have an approved Storm Water Management Plan with 6 minimum controls
- Must Conduct analytical Monitoring
- Louisville is only Phase I MS4 along Ohio River

Phase II MS4's

- Began in 1999
- Permit needed if:
 - Designated a small MS4 in urbanized areas defined by the US Census (>50,000 & Density of 1000 people/sq-mile)
 - Construction sites disturbing 1-5 acres of land
- Usually a general Permit that can cover multiple nearby MS4 communities (co-permittees)
- Have an approved Storm Water Management Plan with 6 minimum controls
- Usually does not require monitoring but reduce pollutants to the “Maximum Extent Possible”

6 Minimum Controls

- Public Education and Outreach
- Public Participation/ Involvement
- Illicit Discharge Detection and Elimination
- Construction Site Runoff Control
- Post-Construction Runoff Control
- Pollution Prevention/Good Housekeeping

WHEN YOU'RE FERTILIZING THE LAWN,
REMEMBER, YOU'RE NOT JUST
FERTILIZING THE LAWN.



You fertilize the lawn. Then it rains. The rain washes the fertilizer along the curb, into the storm drain, and directly into our lakes, streams and into coastal waters including the Chesapeake Bay. This causes algae to grow, which uses up oxygen that fish need to survive. So if you fertilize, please follow directions and use sparingly.

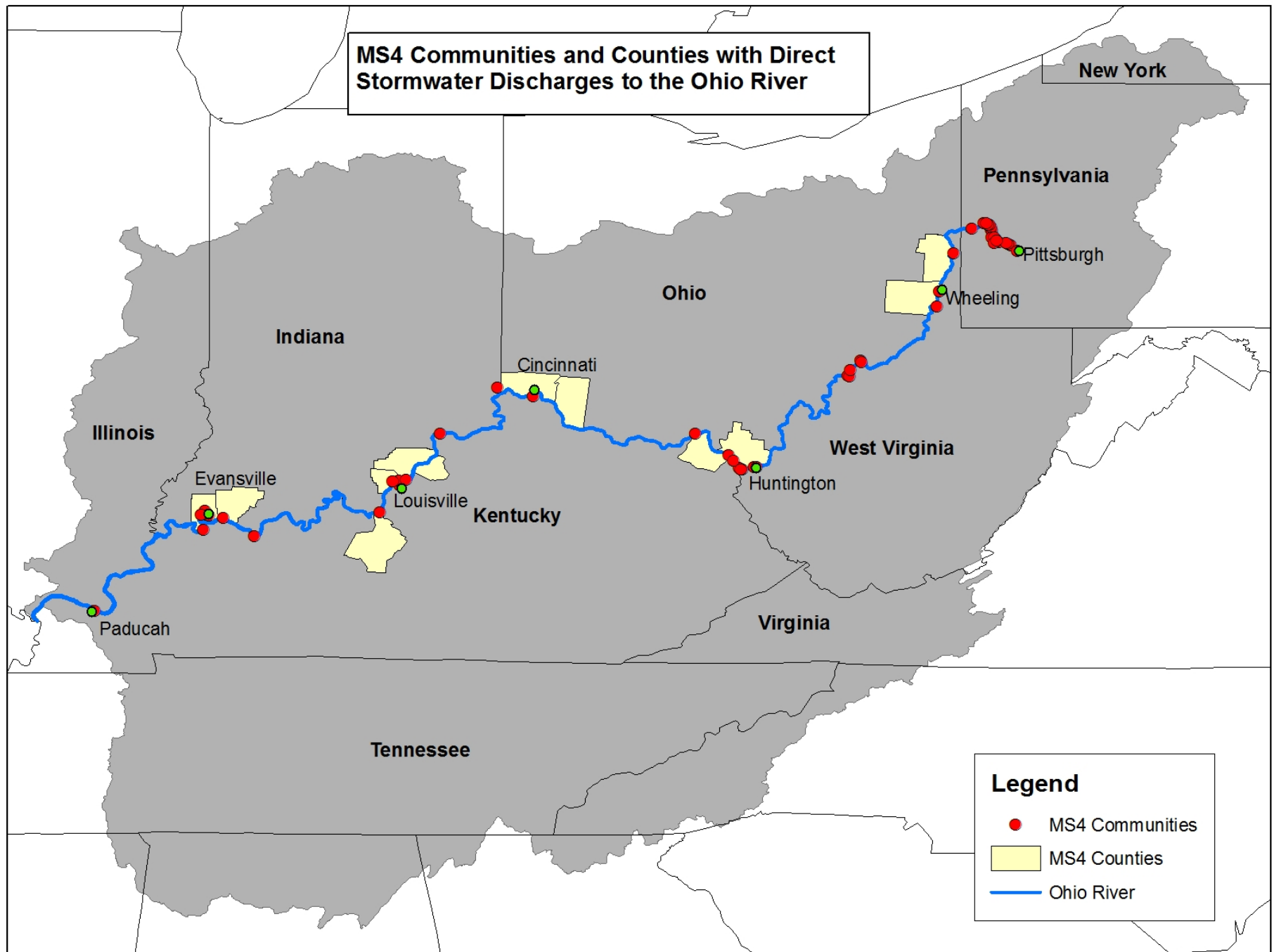
If you have questions regarding storm water, please contact your municipality or Pennsylvania Department of Environmental Protection's Regional Office. For general questions, you may also contact DEP's Bureau of Water Management at (717) 772-5446 or visit www.dep.state.pa.us. Thanks to the Washington State Water Quality Consortium for permission to adapt and use this poster.

MS4's along the Ohio River

- 69 Permitted MS4 Communities/Counties – could grow as population grows
- Only one Phase I community (Louisville)



**MS4 Communities and Counties with Direct
Stormwater Discharges to the Ohio River**



MS4 State Details

● Indiana

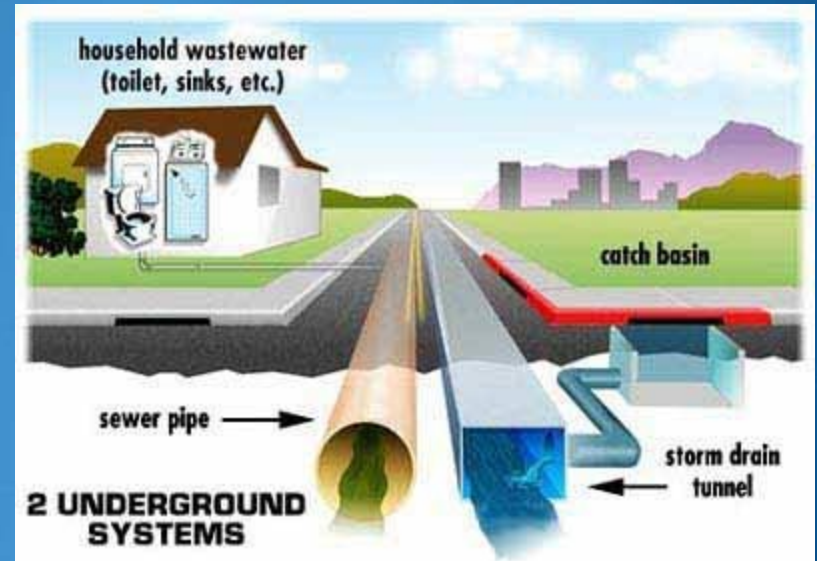
- 16 Permittees
- All in Compliance
- One permittee added, Univ. of IN, New Albany

● Illinois

- No MS4 Communities
- No changes from previous year

● Kentucky

- 11 permittees, some are co-permittees
- Phase II not required to monitor but will in next cycle (2015)
- Louisville MSD (Phase I) is monitoring conductivity
- No changes from previous year



MS4 State Details cont.

- Ohio

- 11 Permittees
- All Storm Water Management Plans are approved
- No changes from previous year

- PA

- 20 Permittees
- All Storm Water Management Plans are approved
- No changes from previous year

- WV

- 11 Permittees
- Monitoring for TKN, Nitrite, Nitrate, Total Phosphorus at main outfall
- 6 Cities now have an approved SWMP (Moundsville, Parkersburg, Vienna, Wierton, Wheeling, and Williamstown)

Conclusion

- Very few changes from previous Year
 - Indiana has added one permit, Univ. of IN, New Albany
 - West Virginia has approved 6 SWMP's





End of Presentation

*Informational Item

Questions?

