

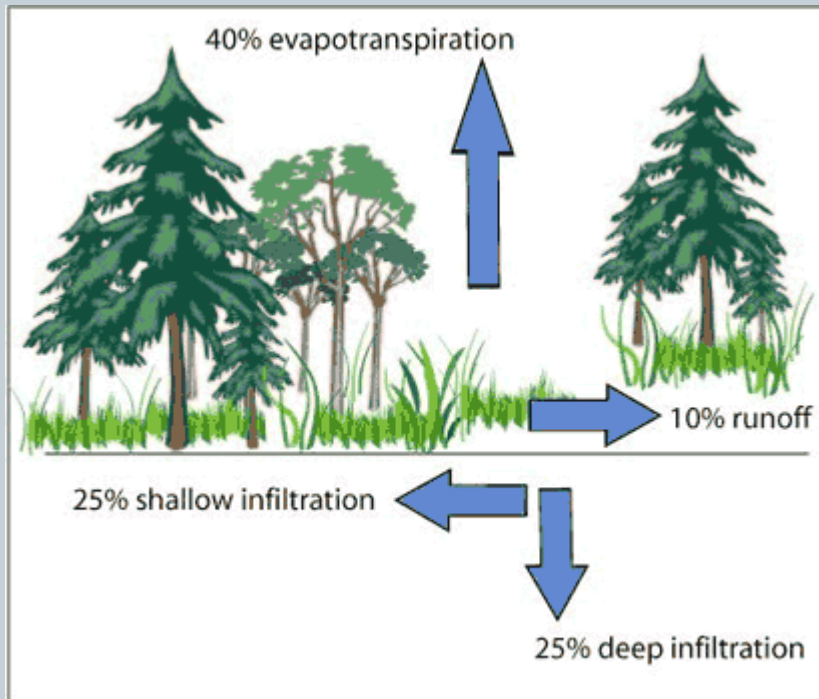
Introduction to Ohio Storm Water Regulations



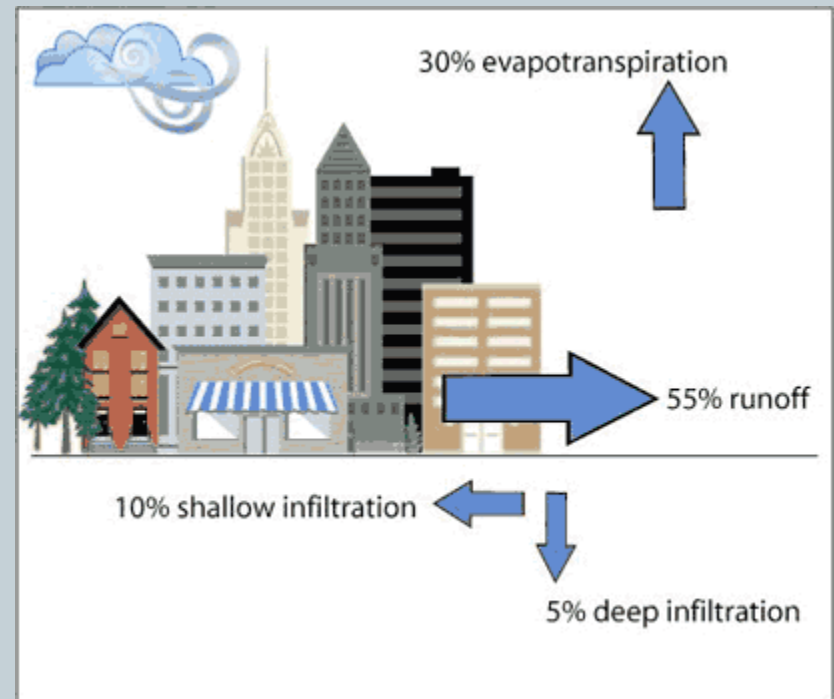
DAN BOGOEVSKI
OHIO EPA NORTHEAST DISTRICT OFFICE
JULY 9, 2013

Storm Water – Where Does It Go?

Before Development



After Development



Storm Water – What Problems Does It Cause?



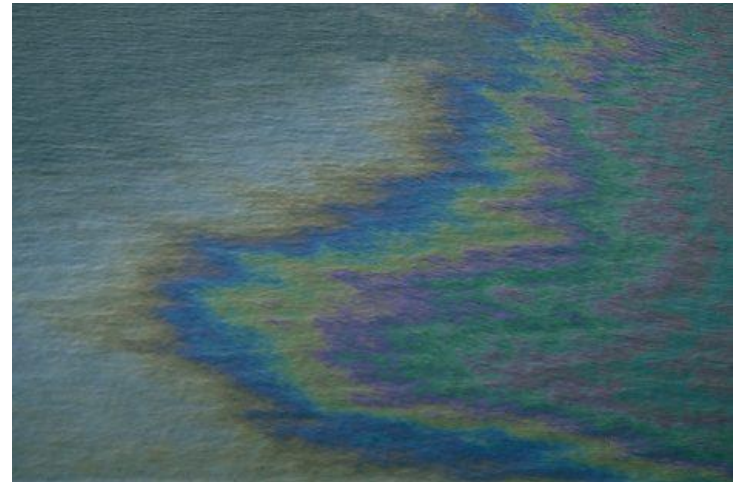
Storm Water – What Problems Does It Cause?



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How Ohio EPA Regulates Storm Water



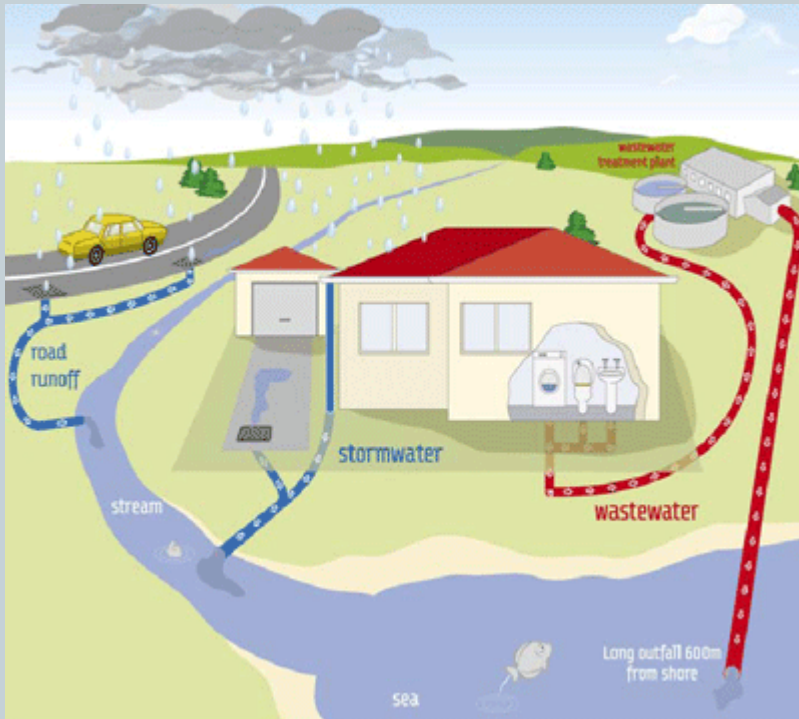
Separate vs. Combined Sewer Systems

Separate Sewer Systems – Where Does It Go?



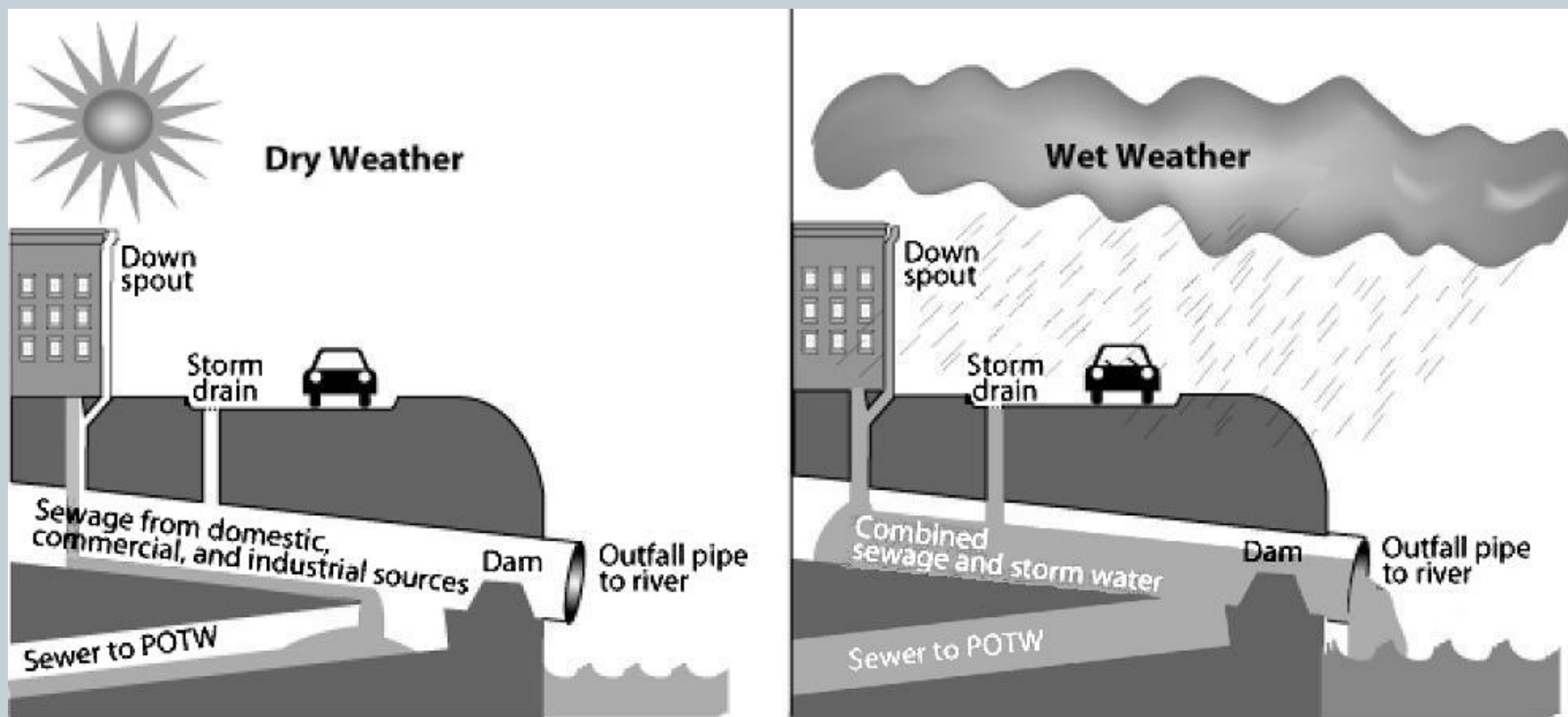
MS4

Separate Sewer Systems – Where Does It Go?



- Sanitary sewers go to the WWTP where sewage is treated before being released to the environment
- Separate storm sewers and MS4s go directly to streams, lakes and other waters of the state!

Combined Sewer System – Where Does It Go?



During wet weather, a mix of untreated sewage and storm water overflows into our waterways!

How Ohio EPA Regulates Runoff



- **National Pollutant Discharge Elimination System (NPDES) Permits**
 - Storm water discharges to MS4s or directly to waters of the state
 - ✦ Require the implementation of best management practices (BMPs) to prevent the discharge of pollutants or reduce the amount of pollutants discharged to the maximum extent practicable
 - Overflows from combined sewer systems
 - ✦ Limit the volume and frequency of discharge
 - ✦ Set a schedule for the implementation of practices to either expand the capacity of the system or reduce storm water flow into the system
 - ✦ Implementation of BMPs that reduce the volume of storm water entering the combined sewer is part of the control strategy

NPDES Storm Water Program



- **Municipal Storm Water**
 - Communities located in Urbanized Areas must establish local regulations to minimize storm water pollution
 - Non-traditional systems, e.g., public universities and ODOT, in Urbanized Areas must also implement programs to minimize storm water pollution
- **Construction Sites disturbing ≥ 1 acre**
 - Developers and contractors must implement erosion and sediment controls and pollution prevention practices during construction
 - Site plan must include post-construction storm water practices to treat the Water Quality Volume (WQv)
- **Industrial Facilities (see OAC 3745-39-04 for complete list)**
 - Mulch manufacturing (SIC code = 2499)
 - Composting (SIC code = 2875)
 - Operator must implement a storm water pollution prevention plan and monitor runoff

How Does Ohio EPA Regulation Affect Me?



- You can be cited for creating illicit discharges
 - Excessive application of fertilizers and pesticides
 - Failure to stabilize disturbed areas in a timely manner
 - Washing off equipment or conducting vehicle maintenance in such a manner that causes pollutants to enter storm sewers
 - Improper disposal of waste or management of hazardous chemicals
- Post-construction practices must be constructed and maintained
 - MS4s must ensure property owners and home owners' associations implement long-term maintenance plans
 - Communities with combined sewers are implementing these practices to reduce the volume of storm water entering the system
 - This creates a business opportunity for landscapers!

For More Information



- Websites

- Ohio EPA www.epa.ohio.gov/dsw/storm/index.aspx

- US EPA www.epa.gov/npdes/stormwater/construction

- Ohio EPA Contacts at NEDO

Cuyahoga, Geauga, Lake & Lorain

Dan Bogoevski

(330) 963-1145

dan.bogoevski@epa.ohio.gov

Medina, Summit, Portage & Wayne

Molly Drinkuth Sunkle

(330) 963-1215

molly.drinkuth@epa.ohio.gov

Ashtabula, Columbiana, Mahoning,

Trumbull & Holmes

Chris Moody

(330) 963-1118

chris.moody@epa.ohio.gov

Stark & Carroll

Phil Rhodes

(330) 963-1136

phil.rhodes@epa.ohio.gov

