



## Of Economic Concern . . .

With development (past and new) comes more impervious areas and compacted, managed lawns. This causes increased volumes of runoff from storms with associated flooding, increased erosion, and damage to the area's receiving waters.

**T**he MS4 Permit goal is for streams to be fishable, swimmable, and to support native wildlife.

**T**he Roanoke River and its tributary streams are important to assure the high quality of life enjoyed by Roanoke County residents and to maintain the region's long-term economic well-being.

**C**omplying with the new stormwater permit and regulations will take creativity, time, money, and cooperation from all stakeholders, including businesses, residents, government, developers, and others.

*Statewide Requirements, Nationwide Effort*

- Do You Own a Stormwater Management Facility?
- How Will Stormwater Management Programs Affect Your Business?
- What Does "MS4" Mean?

See inside . . .

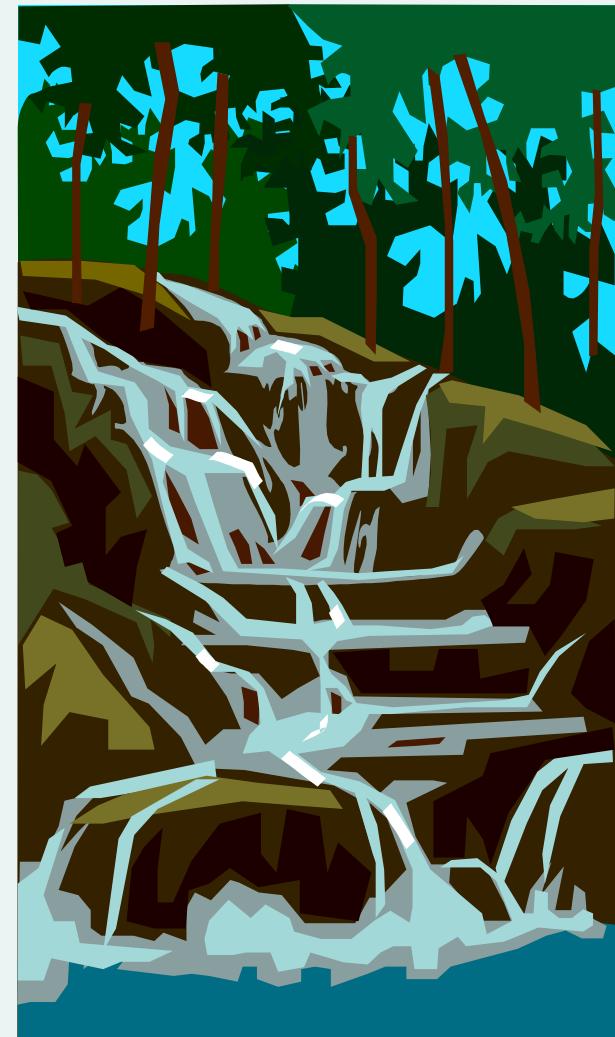
For more information, contact:

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## Virginia's Municipal Separate Storm Sewer System (MS4) Permit Requirements



**A Guide for Roanoke County Businesses**

Is Your Business Expanding? Are you adding PARKING or FLOOR SPACE? If so, here's what you need to know:



Roanoke County holds a **Municipal Separate Storm Sewer System Permit**, known as the **MS4 Permit**. It serves as the overarching "UMBRELLA" for Roanoke County's stormwater management requirements.

The County's MS4 permit was recently re-issued by the Department of Environmental Quality (DEQ); it became effective on **July 1, 2013**.

The MS4 Permit requires Roanoke County to operate its existing stormwater-related programs, along with some new ones, which include:

- **Floodplain Management Program** - regulates development in the floodplain and helps to lower flood insurance rates
- **Erosion and Sediment Control** - regulates land development projects during construction that disturb 2,500 square feet or more of land area
- **Virginia Stormwater Management Program (VSMP)** - the County will soon operate the state's new program and issue the Construction General Permit (CGP) for eligible projects, starting on **July 1, 2014**
- **Total Maximum Daily Loads (TMDLs)** - requires the County to lower the discharge of certain pollutants (PCBs, sediment, and bacteria) to meet numeric limits for its DEQ-designated impaired streams (includes Roanoke River and 11 creeks/streams)

## How Do Stormwater Management Programs Relate to Your Business?

- Construction Plans for expansions or new facilities must be reviewed and approved by the County prior to breaking ground
- **For permits issued after June 30, 2014**, designs and calculations must meet the new, more stringent VSMP regulations
- All permits must be obtained prior to construction, including land disturbance permits and CGPs
- Some work practices, such as car washing and dumpster rinsing, may need to be modified to ensure TMDL pollutants are not being washed into the street or into the County's MS4
- No wastewater from a business may be discharged to a storm drain
- Employees may need training on Pollution Prevention and Good Housekeeping. Topics may include:
  - ⇒ Spill prevention and response
  - ⇒ Proper disposal of wastes
  - ⇒ No wastewater discharge to the MS4
  - ⇒ Best Management Practices, such as filtering discharges from construction and maintenance activities



Do You Own a Stormwater Management Facility (SWMF)? If so, here's what you need to know:

Pursuant to Roanoke County's Stormwater Ordinance, SWMF Owners are required to:

- Conduct periodic inspections
- Conduct routine maintenance
  - ⇒ Remove trash and debris
  - ⇒ Repair areas of erosion
  - ⇒ Trim woody vegetation
  - ⇒ Repair damaged risers, pipes, orifice plates, etc.
  - ⇒ Remove accumulated sediment
  - ⇒ Remove nuisance plant species
  - ⇒ Provide mosquito control
  - ⇒ Maintain seeded areas
- Maintain SWMF records of inspections, maintenance, and repairs



*A well-maintained SWMF*

Under the MS4 permit:

- ROANOKE COUNTY has inspection authority for all privately owned SWMFs, and is tasked with inspecting these facilities at least once in every five-year permit term
- ROANOKE COUNTY has enforcement authority to assure SWMF's are properly functioning and correctly maintained