



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION



Bureau of Waterways Engineering and Wetlands

Stormwater Management Regulation and Green Infrastructure

Stormwater Conference

September 18, 2012

Stormwater Regulatory Authority

- 25 Pa. Code Chapter 102
 - Erosion and Sediment Control AND stormwater management
- Act 167
 - Comprehensive Stormwater Planning

Post Construction Stormwater Management 102.8

- **Preserve the integrity of stream channels and maintain and protect the physical, biological and chemical qualities of receiving stream**
- **Prevent an increase in stormwater runoff**
- **Minimize any increase in stormwater runoff volume, impervious areas, land clearing and grading, and soil compaction**
- **Maximize the protection of existing drainage features and existing vegetation**
- **Utilize BMPs that prevent or minimize changes in stormwater runoff**

➤ Overall Goal of 102.8

- **Replicate the naturally occurring hydrologic cycle to the extent practicable by encouraging sound site design practices beginning in the design phase of the project**

Implementation via permitting programs

- **No net change in rate and volume and meeting water quality goals for post construction stormwater runoff**
- **Net decrease via retrofits in MS4 permits**
- **Meadow in good condition assumption**

▶ Stormwater Management Integration

- **Post construction stormwater management program serves as a qualifying local program for MS4s**
- **Stormwater permits must be in accordance with Act 167 plans**

▶ Non-structural BMP Implementation

- **Site planning – credits for protection and enhancement of riparian, floodplain and other sensitive areas**
- **Vegetative and low impact BMPs – vegetated swale, pervious pavement, raingarden, green roof**
- **Retrofits – rooftop and storm sewer disconnection, modifying existing basins/BMPs**

102.14 Riparian Buffers

- **Requirement that highest quality waters must be protected with 150 foot buffers**
- **Voluntary but strongly recommended for other Commonwealth waters**

▶ Oversight by licensed professional

- Critical stages of BMP implementation must be overseen and signed off on by licensed professional
- Assures BMPs implemented will be correctly installed and functional

Permanent Protection of BMPs

- **Provide for maintenance and operation and inspections**
- **Must be protected in perpetuity**
- **Feedback mechanism to MS4s**

▶ MS4 stormwater plans

- **Goal – restoration of waters impaired by stormwater runoff**
 - Chesapeake Bay pollutant reduction plans
 - TMDL implementation plans



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