Future Regulation Changes

Where EPA/KDOW may be heading...

1. Draft EPA Stormwater Rule – December 2011
2. Final EPA Stormwater Rule – November 2012
3. New LFUCG MS4 Permit from KDOW – Sept. 2014

- Redevelopment treated like new development
- Using LID to regulate stormwater runoff volume
- Wider vegetated buffers between construction sites and creek banks
- Setting effluent limits on stormwater discharges
- Retrofitting existing sites to pre-development conditions

Washington D.C. MS4 Permit

FOR ANY DEVELOPMENT ≥ 5,000 sf (new or re-)

1.2" of stormwater from a 24-hr storm

→ INFILTRATE

→ EVAPOTRANSPIRATE

→ REUSE

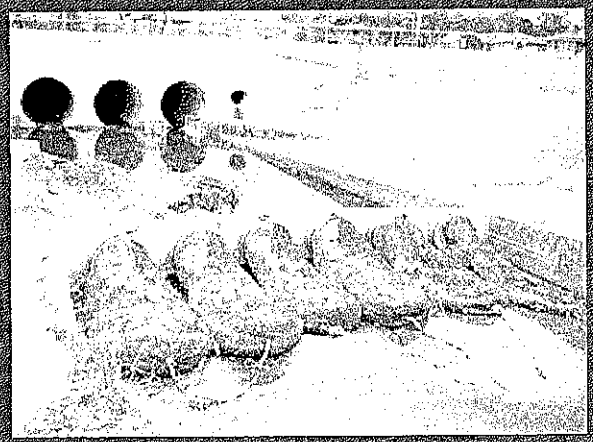
Current LFUCG Stormwater Manual

1. Exempt if < 1 acre
2. New Development: TREAT runoff produced by 1.6" rainfall event
3. Re-development: TREAT runoff from 20% of site, or reduce impervious area by 20%

Washington D.C. MS4 Permit

TMDL IMPLEMENTATION
(Numeric Concentration Targets)

A. Must remove 103,188 pounds of trash annually (prevention or removal) in Anacostia River Watershed



B. Consolidate existing TMDL plans

Biochemical Oxygen Demand, Total Suspended Solids, Fecal Coliform Bacteria, Organics and Metals, Oil and Grease

Current LFUCG Program

1. Cane Run and S. Elkhorn: TMDLs to be published soon for Pathogens
2. Cane Run and Town Branch/S. Elkhorn: TMDLs for Total Phosphorous under development.

Washington D.C. MS4 Permit

RETROFITS OF EXISTING DEVELOPMENT

A. For 18,000,000 sf of existing impervious
- Retain 1.2" of stormwater from a 24-hr storm
- 1,500,000 sf must be in road ROW
- 350,000 sf must be green roofs on District property

B. For properties with interior/exterior upfits of 50% or more of value
- Retain 1.2" or similar standard

Current LFUCG Program

1. No requirements for retrofits.
2. Stormwater Quality Projects Incentive Grant Program – funds voluntary retrofit projects ~ $900,000 total infrastructure per year

Summary

1. Stormwater Regulation is changing.
2. Stormwater Management practices are changing.
3. Movement is toward Green Infrastructure and Low Impact Development.
4. LFUCG is required to develop LID Guidelines and update the Stormwater Manual.
5. LFUCG MS4 Permit will be renewed Sept. 2014 with potential revisions per EPA Stormwater Rule Making schedule.
6. Required changes to our Engineering Manuals will occur in stages.