2014 Draft Massachusetts MS4 Permit

Newton Tedder
EPA New England

U.S. Environmental Protection Agency
Regulatory History

- Before 1987 stormwater considered a non-point source and not regulated
- Water Quality Act of 1987 required NPDES permitting of certain stormwater discharges
- 1999 stormwater permit program expansion: small municipalities also needed permits
- First Massachusetts small MS4 permit issued in 2003
Small MS4s Nationwide

80% of the US Population

5,000+ Cities and Towns
Impaired Waters

Stormwater discharges are causing or contributing to at least 55% of the impairments in all Massachusetts’ assessed waters.
2014 Draft Massachusetts MS4 Permit Requirements
Six Minimum Measures

1. Public education
2. Public involvement
3. Illicit discharge detection & elimination
4. Construction runoff
5. Post-construction stormwater management
6. Pollution Prevention
Discharges to Impaired Waters

Discharges to waters *without* a TMDL

Discharges to waters *with* an Approved TMDL
Approved TMDLs

Bacteria and Pathogen TMDLs
Charles River Phosphorus TMDLs
Lake and Pond Phosphorus TMDLs
Cape Cod Nitrogen TMDLs
Assabet River Phosphorus TMDL

Long Island Sound Nitrogen TMDL
Phosphorus and Metals TMDLs for Rhode Island Waters
Discharges to Waterbodies Without an Approved TMDL

Additional requirements for Bacteria, Nutrients, Solids, Chloride, Metals and Oil and Grease
Timing

- September 30, 2014 – EPA and MassDEP release draft MS4 permit for public comment
- January 9, 2015 – Comment period reopened
- February 27, 2015 – Comment period closes
Ruler – Credit: http://www.flickr.com/photos/vrillusions/5197046091/

Beach closure, impaired water - Credit: EPA


Sparrow Dock – Credit: http://www.flickr.com/photos/zim2411/3790850184/in/photostream/

Census – Credit: http://blogs.census.gov/2012/04/04/how-do-we-measure-urban-areas/
Thank you

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Draft Permit Documents: http://www.epa.gov/region1/npdes/stormwater/MS4_MA.html

U.S. Environmental Protection Agency