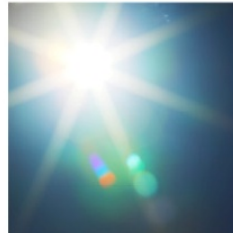


MS4 Permits Stormwater Litter

June 13, 2018

Ruth Minich-Hobson

MS4 Permits





Stormwater Litter and MS4 Permits

- Purpose of this presentation is to provide a brief discussion on the litter requirements for MS4 permits.
- An opportunity for questions will be provided at the end of the presentation.

Definitions

- MS4 - Municipal Separate Storm Sewer System. According to 40 CFR 122.26(b)(8), the term MS4 is defined as a conveyance or system of conveyances, including as follows:
 - roads with drainage systems;
 - municipal streets; and
 - curbs, gutters, ditches, man-made channels, or storm drains
- Board – State Water Control Board
- DEQ – Department of Environmental Quality
- EPA – Environmental Protection Agency

MS4 Phase I Individual Permits (IPs)

- Regulations were developed in the early 1990s and required operators of MS4s serving populations of more than 100,000 apply for a permit to discharge stormwater from their outfalls.
- In Virginia, there are 11 Phase I permits including: Arlington County; Fairfax County; Prince William County; Henrico County; Chesterfield County; and the cities of Hampton; Newport News; Portsmouth; Norfolk, Chesapeake and Virginia Beach.
- Arlington County is currently being reviewed for reissuance in 2018



MS4 Phase I Individual Permits (IPs) continued

- current Phase I permits include requirements for implementing a program to reduce the discharge of floatables (litter and other human-generated solid refuse) in Part I.B.2.e) or f).3), Illicit Discharge and Improper Disposal
- Arlington County's permit includes floatables monitoring to conduct surveys of floatables and document the effectiveness of the litter control programs (Part I.C.3)
- Phase I MS4s provide permit information on their websites. The City of Hampton provides "Floatables Control Plan" to document their efforts.

MS4 Phase II General Permit

- the second phase of the MS4 regulations became effective in 2003 and required operators of MS4s in urbanized areas, as defined in the decennial census, to obtain a permit to discharge stormwater from their outfalls
- there are 100 MS4 Phase II permits in Virginia at this time
- the current MS4 Phase II permit, Section II.B.3.c.(1)(c) requires development, implementation of written procedures to detect, identify and address unauthorized non-stormwater discharges to the small MS4. This includes development of methods to collect general information for visual observations of floatables

MS4 Phase II General Permit

- the MS4 General Permit will be submitted for approval to the Board in August 2018 for reissuance this year. The permit has been revised after the public notice and comment period
- the revised MS4 General Permit requirements include in Part I.E.3.c requirements to maintain, implement and enforce IDDE written procedures to detect, identify and address unauthorized discharges to the small MS4. The written procedures shall include, if a discharge was observed, visual characteristics of the discharge including floatables (Part I.E.3.c.(2)(d)(vi).



Region 3 Trash Free Waters Summit highlights

03/27/2018

- Some interesting presentations included:
- Inter-organizational collaborations on a local level, non-traditional partnerships and public engagement and behavioral change to address litter and floatables management and new technology
- Professor Trash Wheel in the Baltimore Harbor and public engagement
- the City of Philadelphia's use of a heat map to document the state of litter in Philly, block by block:
- <https://philly.curbed.com/2018/2/15/17012334/philadelphia-litter-trash-index-map>

Questions?

- Ruth Minich-Hobson
- MS4 Water Permit Writer
- Department of Environmental Quality
- 1111 E. Main Street Richmond, VA 23219
- ruth.minich-hobson@deq.virginia.gov
- (804) 698-4490