



Prince William County Government
Board of County Supervisors



IDDE, Industrial and High Risk

David Ungar

Chesapeake Bay Watershed



-Image from the U.S. Fish & Wildlife Service

Definitions



- **Municipal Separate Storm Sewer System (MS4):** Conveyance or system of conveyances that discharge into local water bodies.
 - ◆ These discharges are NOT treated!



- **Illicit Discharge:** Any discharge to the MS4 that is not composed entirely of storm water.
 - ◆ There are exceptions to this.



The difference between spills and illicit discharges



■ Spills

- ◆ accidental discharges

■ Illicit discharge

- ◆ On purpose or negligence

■ Spill examples:

- ◆ Hydraulic hose burst
- ◆ Automotive fluids from car crash

■ Report spills:

- ◆ Fire Marshal's Office at 703-792-6360
- ◆ Risk Management at 703-792-6741



Enforcement: County Ordinance



ARTICLE II. STORMWATER POLLUTION

Sec. 23.2-4.1. Unlawful discharge to the stormwater system and waters of the county

- (a) It shall be a violation of this article for any person to discharge:
- (1) Any wastes, trash, garbage, or any matter causing or aiding pollution on any property in the County in any manner so as to allow such to be washed into any stormwater system by storm or floodwater.
 - (2) Any grass clippings, mulch, or yard waste, animal carcasses and other wastes into the stormwater system, or do any injury to the stormwater system or in any manner pollute the stormwater system.
 - (3) Any discharge of gasoline, oil waste, antifreeze, or other automotive, motor or equipment fluids into the stormwater system.
 - (4) Any commercial, industrial, or manufacturing entity to discharge process water, wash water, or unpermitted discharge into any stormwater system.
 - (5) Any person to throw, place, or deposit, or cause to be thrown, placed or deposited, in any gutter, ditch, storm drain or other drainage area in the county, anything that impedes or interferes with the free flow of stormwater therein.
 - (6) Chlorinated swimming pool water without dissipating chlorine.
- (b) Subject to the provisions of subsection (c) below, the following activities shall not be unlawful discharges:
- (1) Discharges pursuant to a VPDES or NPDES permit;
 - (2) Discharges resulting from fire fighting activities;
 - (3) Water line flushing;
 - (4) Landscape irrigation;
 - (5) Diverted stream flows or rising groundwater;
 - (6) Infiltration of uncontaminated groundwater;
 - (7) Pumping of uncontaminated groundwater;
 - (8) Discharges from potable water sources, foundation drains, irrigation water, springs, water from crawl spaces or footing drains;
 - (9) Air conditioning condensation;
 - (10) Lawn watering;
 - (11) Residential car washing;
 - (12) Dechlorinated swimming pool discharges; and
 - (13) Public street washing.
- (Ord. 03-87, 9-16-03)



Enforcement: County Ordinance



Sec. 23.2-4.4. Penalties for violations of article.

- (a) Any person who knowingly violates any provision of this article shall be guilty of a Class 1 misdemeanor. Each day that such violation is committed, and each day that such violation is permitted to remain uncorrected shall constitute a separate offense.
- (b) Any person who otherwise violates any provision of this article shall be subject to civil penalty between \$250.00 and \$1,000.00 for each day that the violation continues. The court assessing such civil penalty may order the penalty to be paid into the treasury of the county and designated for the purpose of minimizing, preventing, managing or mitigating pollution of the waters of the county.
- (c) Any person who violates any provision of this article shall be responsible for testing, containing cleaning up, abating, removing and disposing of any substance unlawfully discharged into the storm sewer system or into waters of the county, or, if the director determines that correction of the violation can best be accomplished by the county, shall be liable to the county for all costs of testing, containment, cleanup, abatement, removal and disposal of any substance unlawfully discharged into the storm sewer system or into waters of the county.

(Ord. 03-87, 9-16-03)

Examples of Discharges



■ Allowed

- ◆ Residential car washing
- ◆ Lawn watering
- ◆ Air conditioning condensation
- ◆ Fire fighting activities
- ◆ Water line flushing
- ◆ Uncontaminated ground water

■ Prohibited

- ◆ Commercial car washing
- ◆ Chlorinated swimming pool water
- ◆ Motor vehicle fluids
- ◆ Cooking oil
- ◆ Paint
- ◆ Litter
- ◆ Salt stockpiles
- ◆ Yard waste
- ◆ Wash water



Negative impacts



- Health risks to people coming into contact with the water
 - ◆ shutdown public recreational facilities.
- Increased cost to treat water before being used for drinking and irrigation.
- Organic matter provides nutrients
 - ◆ algal blooms
 - ◆ deplete oxygen (hypoxia)
 - ◆ kills aquatic organisms.
- Can contaminate fish, crabs, clams, and other potential food sources.





















HEARS CO CREEK

SWMP: 5509

Outfall: 35409

Outfall: 24409

C

D

B

A

MENDOZA LN

STOCKHOLM WAY

ROTTERDAM LOOP

LANDITES POINT LOOP

TASSIA LN

Cooking oil dumping inlet

Oil Sheen

vs

Natural Sheen



-Images from www.michigan.gov

Citizen Action



- Lawn care
 - ◆ “If one bag works good, two bags works better.”
 - ◆ Sweep fertilizer off of impervious surfaces
 - ◆ Virginia Cooperative Extension: 703-792-6285
 - ◆ Properly dispose of grass clippings and leaves
- Clean up excess deicer
- Pick up pet waste



Citizen Action



- Pool maintenance
 - ◆ Dechlorinated/ discharge to grass or gravel surface
- Recycle in bins with lids
- Hazardous waste disposal at landfill

- “Only rain down the drain!”



Reporting



- If the discharge poses a direct threat to public health, call 911.
- Phone: 703-792-7104
- Email: illicitdischarge@pwcgov.org
- Learn more at www.pwcgov.org/cleanwaters

