

STORMWATER POLLUTION PREVENTION CUSTODIAL STAFF CLEANING MATERIAL FACT SHEET 032912

POLLUTION PREVENTION INVOLVES ALL OF US

All UK custodial personnel should understand and apply pollution prevention methods to help prevent pollution from entering UK's storm sewer system. Pollution prevention uses planning and practices to keep pollution from occurring or to minimize pollution from events such as spills. These efforts are vital to protect UK's storm sewer system and local streams from pollution.

STORM SEWER SYSTEM vs. SANITARY SEWER SYSTEM

One key difference between a storm sewer system and a sanitary sewer system is what happens to the flow before the flow is discharged. Storm sewer flow does not go through the wastewater treatment processes that occur for flow in a sanitary sewer system. This means that pollutants entering the storm sewer are discharged directly to a stream or river. Sanitary sewer flow goes to a wastewater treatment facility for wastewater treatment before release to a stream or river. UK's storm sewer system discharges to local streams SUCHA AS Town Branch, West Hickman and Wolf Run as well as to on-campus sinkholes.

WATCH OUT FOR ILLICIT DISCHARGES!

Any discharge to the storm sewer system that is not entirely made up of storm water is an illicit discharge. These are examples of what flows are acceptable for discharge to a storm sewer and what flows are illicit discharges.

Acceptable Discharges to Storm Sewer System		Avoid Discharging to Storm Sewer System
<ul style="list-style-type: none"> ✓ Uncontaminated groundwater infiltration ✓ Landscape irrigation ✓ Diverted stream flows 	<div style="font-size: 48pt; color: green; opacity: 0.5; position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); pointer-events: none;">YES</div> <ul style="list-style-type: none"> ✓ Water from crawl space pumps ✓ Footing drains ✓ Lawn watering 	<div style="font-size: 48pt; color: red; opacity: 0.5; position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); pointer-events: none;">NO</div> <p>Discharges not entirely stormwater or listed as "acceptable"</p> <p>Examples may include:</p> <ul style="list-style-type: none"> × Floor waxing or stripping agents × Cleaning solutions × Disinfectants × Detergents × Paint × Solid wastes
<ul style="list-style-type: none"> ✓ Uncontaminated pumped groundwater ✓ Discharges from potable water sources ✓ Rising ground waters ✓ Air conditioning condensation ✓ Irrigation water ✓ Springs ✓ Waterline flushing 	<ul style="list-style-type: none"> ✓ Individual residential car washing ✓ Flows from riparian habitats and wetlands ✓ Dechlorinated swimming pool discharges ✓ Flows from fire fighting activities ✓ Foundation drains ✓ Street wash water 	

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CLEANING MATERIALS POLLUTION PREVENTION

These methods include addressing cleaning material selection, storage, use and disposal. Avoid using more toxic or more concentrated cleaning materials except where necessary. Improper storage, use or disposal can contribute to illicit discharges such as spills to UK's storm sewer system.

Cleaning Material Storage		
All Storage	Indoor Storage	Outdoor Storage
<ul style="list-style-type: none"> ✓ All cleaning materials should be stored per the manufacturer's directions. ✓ Be prepared for spill cleanup - know where cleanup materials are located and, follow the spill cleanup procedures. ✓ Clean up a spill soon after the spill occurs and properly dispose of any spill cleanup materials 	<ul style="list-style-type: none"> ✓ Locate indoor cleaning material storage areas away from floor drains. ✓ Know if these drains are connected to the sanitary sewer system or are connected to the storm drainage system. ✓ Keep storage areas in orderly condition to reduce the potential for accidental spillage in the storage area. ✓ Know where drains are located near the storage area. 	<ul style="list-style-type: none"> ✓ Avoid storing cleaning materials outside where feasible. ✓ Locate outdoor cleaning material storage areas away from storm drains, streams and sinkholes, etc. ✓ Any outdoor storage must prevent material from entering storm water (i.e., under roof, closed containers, etc.).

Cleaning Material Use
<ul style="list-style-type: none"> ✓ Follow manufacturer's directions for product usage. ✓ For cleaning materials that require mixing, mix only the amount needed for the job (avoid over-mixing). ✓ Be careful to avoid spilling or discharging cleaning materials into floor drains, storm drains, streams, sinkholes or other sensitive areas. Where feasible, avoid using cleaning materials near sensitive areas. ✓ For indoor tool cleaning, be sure that the sink or drain is plumbed to the sanitary sewer. ✓ Know where spill cleanup materials are located and be ready to use spill cleanup procedures if a spill occurs. ✓ For outdoor tool cleaning, avoid cleaning tools in or near sensitive areas where the wash water could enter storm drains, streams, sinkholes or other sensitive areas. ✓ Avoid using rinsing for cleaning materials unless the manufacturer includes rinsing on the product use directions ✓ For cleaning materials that require rinsing, consider where the rinse water will drain and avoid over-rinsing.



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Cleaning Material Disposal

- ✓ Follow the manufacturer's directions for cleaning material disposal.
- ✓ For outdoor disposal in trash containers, use covered containers to avoid storm water contact with trash.
- ✓ Do not dispose of cleaning material in any drain (indoor or outdoor) unless the drain is KNOWN to be connected to the sanitary sewer system. If in doubt, find another acceptable disposal location or method.

Report an Illicit Stormwater Discharge Hotline

To report an illicit discharge, spill or unusual surface water condition call the numbers below:

Between 8:00am - 5:00pm:

323-6280

After Hours:

911 (from on-campus phones), 257-UKPD (8573)

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