



DEPARTMENT OF THE ARMY
US ARMY INSTALLATION MANAGEMENT COMMAND
HEADQUARTERS, UNITED STATES ARMY GARRISON, FORT BELVOIR
9820 FLAGLER ROAD, SUITE 213
FORT BELVOIR, VIRGINIA 22060-5928

REPLY TO
ATTENTION OF

IMBV-PW

31 October 2016

MEMORANDUM FOR US Army Fort Belvoir Personnel

SUBJECT: Fort Belvoir Policy Memorandum #71, Stormwater Pollution Prevention

1. References.

- a. General Virginia Pollution Discharge Elimination System Permit (VPDES) for Discharges of Stormwater from Small Municipal Separate Storm Sewer Systems (MS4), Permit # VAR040093 (9VAC25-890-40)
- b. VPDES Industrial Stormwater Individual Major Permit #VA0092771
- c. VPDES Industrial Stormwater General Permit #VAR051080

2. Purpose. To prevent illicit discharges and illegal dumping into the storm sewer systems at Fort Belvoir Main Post and Fort Belvoir North Area to ensure protection of water quality of Fort Belvoir waterways and compliance with Fort Belvoir VPDES MS4 and Industrial Stormwater permits.

3. Definitions.

- a. Illegal dumping: Any dumping of solid or liquid material into the storm sewer system.
- b. Illicit connection: Any drain or conveyance, whether on the surface or subsurface, which allows a non-stormwater discharge to enter the storm sewer system and any connections to the storm sewer system from indoor drains, sinks or sanitary sewer.
- c. Illicit discharge: Any discharge to the storm sewer system that is not composed entirely of stormwater that causes or contributes to pollution. Illicit discharges may include, but are not limited to: hazardous materials such as paints, varnishes and solvents; oil and other automotive fluids; non-hazardous liquid and solid wastes such as garbage, yard wastes (grass clippings and leaves), mulch, discarded or abandoned objects, pesticides, herbicides, fertilizers, sewage; dissolved and particulate metals, pet/animal wastes, construction wastes and residues and noxious or offensive material of any kind.
- d. Storm sewer system: A collection of underground pipes and conveyances (ditches, channels) that drain to Fort Belvoir waterway. The water that drains through the storm sewer is not treated to remove pollutants. Whatever pollutants enter the storm sewer system directly end up in waterways.
- e. Stormwater: Precipitation that flows across the land surface or through conveyances to one or more waterways and that may include rain runoff, snow melt runoff and surface runoff and drainage.

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f. Waterways: Includes all bodies of water, but is not limited to, rivers, streams, bays, wetlands stormwater management ponds and drainage ditches.

3. Applicability. This policy applies to military and civilian personnel, tenant and satellite organizations, mission partners, housing residents and contractor activities at Fort Belvoir and Fort Belvoir North Area.

4. Background. As stormwater flows across the ground, off of a roof or through a parking lot, it can pick up various pollutants such as oil, grease, spilled materials, loose soil and other debris. When it rains, stormwater flows to the storm sewer system and eventually drains directly into Fort Belvoir waterways and ultimately to the Chesapeake Bay with no treatment for pollutant removal.

5. Policy. Fort Belvoir is committed to protecting water quality of waterways on and surrounding Fort Belvoir to ensure that human health, ecosystem health and the ability to conduct recreational opportunities are not impacted by stormwater pollution. Reference a. requires the establishment of an enforceable policy that prohibits illicit discharges and illegal dumping.

a. Prohibited Discharges into Storm Sewer System: The following are common sources of illicit discharges/illegal dumping at Fort Belvoir that are prohibited from entering into the storm sewer system: sanitary sewer overflows, trash, paint, grease, motor oil or other lubricants, fuel, cooking oil, salt, fertilizer, pesticides chemicals, liquid materials, lawn wastes (grass clippings and leaves), mulch, cigarette butts, sand, soil, construction materials, wash waters containing soaps, detergents and degreasers of any kind, fire hydrant and water line flushing and potable water tank discharge without prior de-chlorination, and pet/animal waste.

b. Materials Storage: All personnel are responsible for ensuring proper storage of materials. Materials should be stored inside, under roof, whenever possible. If outside storage of materials cannot be avoided, materials must be elevated off the ground and covered to prevent stormwater from coming in contact with material and being carried into the storm sewer. Keep it "High and Dry!" Any outdoor materials storage areas should be located away from components of the storm sewer system (inlets, drains, swales, stormwater management ponds, ditches). Personnel responsible for bulk storage areas for items such as salt, mulch, and soil stockpiles will implement best management practices to insure that material does not enter storm sewer during a storm event. Any liquid materials must be stored in adequate secondary containment.

c. Spill Response: All personnel are responsible for following the Fort Belvoir Master Spill Plan. Fort Belvoir Spill Response Procedures are enclosed.

d. Waste Material Disposal: All personnel are responsible for proper disposal of all hazardous and nonhazardous waste materials, including yard wastes. Hazardous waste

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disposal is required to be conducted in accordance with the Fort Belvoir Hazardous Waste Minimization and Management Plan.

e. Vehicle Cleaning, Maintenance and Storage: Operations, including fueling, cleaning and maintenance of aircraft, equipment, campers, boats and vehicles should be conducted indoors or under cover to prevent exposure to stormwater whenever possible. Cleaning of vehicles may be conducted outside only at an authorized wash rack or commercial car wash.

f. Use of Deicing Materials: Application of any deicing agents containing urea or other forms of nitrogen or phosphorous or ethylene glycol to parking lots, roadways, sidewalks or other paved surfaces is prohibited per reference a.

g. Waste Container Management: All personnel are responsible for ensuring that tops and sides of dumpsters are closed and notifying the Directorate of Public Works (DPW), Environmental and Natural Resources Division (ENRD), Solid Waste Program Manager, 703-806-3766, if the dumpster is rusty, leaking or missing a drain plug that could allow for dumpster contents to leak onto the ground.

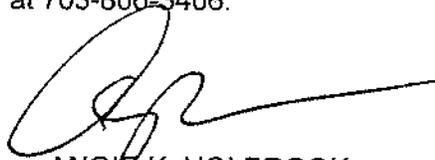
h. Illicit Connections: All personnel are responsible for reporting any discovered or suspected illicit connections to the DPW ENRD Stormwater Program Manager, 703-806-3406.

i. Annual Training: As required by reference a., the following personnel are required to attend annual training in the recognition, prevention and reporting of illicit discharges: personnel employed in and around maintenance and public works facilities; personnel employed for road, street and parking lot maintenance; personnel employed in and around recreational facilities; and personnel employed at facilities where Stormwater Pollution Prevention Plans have been implemented. Additional categories of personnel may require training if personnel are found to have caused an illicit discharge. DPW ENRD will schedule and provide training for all required personnel.

j. All stormwater concerns and suspected illicit connections may be submitted via email @ usarmy.belvoir.imcom-atlantic.mbx.DPW-ENRD-Stormwater@mail.mil.

6. Proponent. The proponent for this policy is the Directorate of Public Works. The point of contact is the Stormwater Program Manager at 703-806-3406.

Encl



ANGIE K. HOLBROOK
Colonel, AG
Commanding

SPILL RESPONSE PROCEDURES

Step 1 Evaluate Spill, does it meet one of the following criteria?

- ✓ Is it 5-gallons or more of fuel / oil; or any amount of other chemicals
- ✓ Does it cover an area of 5 square feet or more
- ✓ Did it enter a waterway, storm drain, sewer system or surface water
- ✓ Does it pose a threat to public health or welfare

**If YES to any of the above, the spill is
TOO LARGE TO HANDLE SAFELY!**

Step 2 For Large Spills Only Call Fort Belvoir Fire Dept. at (703) 781-1800

(For Small Spills, fill out Incident Report Form, skip to Step 3)

Step 3 For all Spills, notify one of the following:

- ✓ Spill Response Manager (703) 806-3694 or
- ✓ Compliance Branch Chief (703) 806-0020 or
- ✓ Hazardous Waste Manager (703) 806-2119

If you get a voice mail, leave a message, then call the next number on the list

Step 4 Fax Incident Report Form to (703) 806-0145

Step 5 If you have been Trained and are Qualified, Use Appropriate Personal Protective Equipment (Check MSDS) when Cleaning up Spill

Step 6 Contain or Confine the Spill Using Equipment in Spill Kit



DO NOT wash or dilute the pollutant with water

STOP the LEAK



CONFINE SPILL

PROTECT DRAINS



DIVERT FLOW

If the Spill has been Contained &

it is less than 5-gallons or smaller than 5 square feet, YOU MUST!

**ABSORB
SPILLED
MATERIAL**



**CONTAINERIZE
USED
ABSORBENTS**

Step 7 Turn in used materials and waste to the Fort Belvoir Hazardous Waste Consolidated Site located at Building 1495 by calling (703) 806-4537

Images of Spill Response Equipment are Courtesy of the New Pig Corporation www.newpig.com
For information about Spill Cards go to www.ebpartners-store.us or call (904) 287-4200
Quick Reference Card—S016 © 2013

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