



**Fort Belvoir Directorate of Public Works (DPW)
Municipal Separate Storm Sewer System (MS4) Program**

Erosion & Sediment Control Technical Bulletin #4:
**STORMWATER POLLUTION PREVENTION REQUIREMENTS FOR
SMALL PROJECTS AND RENOVATION PROJECTS**

APPLICABILITY

This bulletin is applicable to Garrison, Tenant and Contractor Operations for small construction projects that involve less than 2,500 sq.ft. of land disturbance and building renovation projects.

BACKGROUND

While projects less than 2,500 sq.ft. are not required to obtain a Virginia Department of Environmental Quality (VADEQ) Construction General Permit or go through any formal plan submittal & review process, projects are still held to the pollution prevention/good housekeeping requirements of Fort Belvoir's Small Municipal Separate Storm Sewer System (MS4) permit (VAR040093) (9VAC25-890-40 Section II.A.6).

EROSION AND SEDIMENT CONTROL REQUIREMENTS

Erosion and Sediment Control (ESC) practices over the course of work prevent discharges of sediment laden water to the storm sewer system. The following ESC practices are required to be implemented, when applicable.

- Install and maintain erosion and sediment control measures to ensure disturbed ground does not leave the work site. These measures will be left in place until final stabilization has been achieved.
 - o Silt fence (VESCH STD. & SPEC. 3.05) should be installed on the downslope side of any disturbed area, and along walkways or roadways (see attached).
 - o Inlet protection (VESCH STD. & SPEC. 3.07) should be installed on all inlets nearby and immediately downstream of the project site (see attached).
- Removing all excavated materials not required from the work site once the work has been completed.
- Grading the area once the work has been completed.
- Seeding and/or mulching the disturbed area to bring to final stabilization.

The contractor is to notify DPW-Environmental when work has been completed to arrange for an inspection. This inspection will ensure that requirements of VESCR and the VESCH have been met.

STORMWATER MANAGEMENT REQUIREMENTS

The contractor is responsible for using good practices to prevent the discharge of pollutants into the storm sewer system during work. The following list outlines practices that should be implemented during the course of work to prevent illicit discharges, when applicable.

- Portable toilets must be located a minimum distance of 25 feet away from the nearest Stormwater feature (inlets, swale, pond, etc.), they must also be maintained and cleaned, inspected for leaks, and placed on a level surface.
- Wash waters from equipment and vehicle washing, wheel wash water, and other wash waters must be treated in a temporary sediment basin or alternative control that provides an equal or greater level of treatment prior to discharging.

- If temporary fuel tanks are necessary, contact the Petroleum & Spill Response Program Manager at (703) 806-3694. These tanks must be a minimum distance of 25 feet away from the nearest Stormwater feature. Ensure that the temporary fuel tank has secondary containment, and if a plug is used with the secondary containment, the plug must remain in place for the duration of the project.
- For construction material storage, materials must be stored in a manner where they will not come in contact with Stormwater, i.e. covered and up off the ground. These materials must also be a minimum distance of 25 feet away from the nearest Stormwater feature. Materials include but are not limited to building products, construction wastes, trash, landscape materials, fertilizers, pesticides, detergents, paint, stucco, concrete, oils, gasoline, sealants, copper flashing, curing compounds, etc...
- For concrete use on site, a concrete washout must be utilized in accordance with the EPA Concrete Washout Guidelines.
- All dewatering operations must be performed in accordance with the Fort Belvoir ESC Technical Bulletin #1: Dewatering Operations.
- A "Spill Response Procedures" Placard must be posted, and followed should there be any spill on the site. This placard is attached to this bulletin. The contractor shall minimize discharges of pollutants from spills and leaks and implement chemical spill and leak prevention and response procedures.
- A map outlining the locations of possible pollutant generating activities should be kept and maintained during the course of the work to be performed, and should include locations of trailers, dumpsters, staging and storage areas, vehicle washout area, concrete washout area, portable toilet area, and ingress/egress from site.

The following procedures are prohibited:

- Discharge of sanitary waste.
- Discharge of wash waters from equipment and vehicle washing, unless managed by an appropriate control.
- Discharge of soaps or solvents used in vehicle and equipment washing.
- Discharge of fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance.
- Discharge of concrete washout water, unless managed by an appropriate control.
- Discharge from dewatering activities, including discharges from dewatering of trenches and excavations, unless managed by an appropriate control.
- Discharge of wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds, and other construction materials.

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