

Fairfax County 2018 MS4 Program Plan and Annual Report

Appendix R6

Roadways SOP - Vehicle Equipment Repair and Maintenance Procedure

VSMP Permit Number VA0088587
9-28-2018

**Maintenance and Stormwater Management
Department of Public Works and Environmental Services, Fairfax County**

 <p>Vehicle and Equipment Repair and Maintenance Procedure</p>	MS4 Operating Guidelines
	Revision Date: 3/2/2018
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IB2c: Roadways Streets, roads, and parking lots maintained by the permittee shall continue to be operated and maintained in a manner to minimize discharge of pollutants, including those pollutants related to deicing or sanding activities.

- 1) No later than 12-months after the effective date of this state permit, the permittee shall develop and maintain an accurate list of permittee maintained roads, streets and parking lots that include the street name, the miles of roadway not treated by BMPs, and miles of roadway treated with BMPs
- 2) No later than 36-months after the effective date of this state permit, the permittee shall develop and implement written protocols for permittee maintained road, street, and parking lot maintenance, equipment maintenance and material storage designed to minimize pollutant discharge.
- 3) Materials utilized for deicing and sanding activities shall remain covered from precipitation until application.
- 4) The permittee shall not apply any deicing agent containing urea or other forms of nitrogen or phosphorous to parking lots, roadways, and sidewalks or other paved surfaces.

Purpose and Applicability: The SOP has been developed to establish standard, consistent stormwater pollution prevention procedures and practices for use during vehicle/equipment repair and maintenance in order to reduce pollutants such as solvents, antifreeze, brake fluid, battery acid, motor oil, fuel, or grease from entering the storm sewer system and negatively impacting water quality.

Minimum Requirements:

General:

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- 1) Designate a parking area for vehicle/equipment awaiting maintenance or repair.
 - a) Attempt to perform maintenance/repair or store vehicle/equipment awaiting maintenance or repair indoors or on an impervious surface.
 - b) If activities must be performed outside:
 - i) Locate on an impervious surface (i.e., pavement) and away from stormwater conveyances (i.e., swales, drain inlets, etc.) and surface waters to ensure leaks or spills will not be discharged.
 - ii) Have absorbent pads and drip pans accessible to capture leaks and spills during maintenance activities.
 - iii) Immediately drain the source of the leak, using a drip pan, bucket, drop cloth, or absorbent materials.
- 2) Empty contents of container into proper waste or recycling container.
 - a) Do not leave collected materials in container to be spilled or kicked over.
- 3) Inspect vehicle/equipment for leaks.
 - a) Use drip pans or absorbent material to capture leaking fluids.
- 4) Clean up any spilled fluids immediately.
 - a) Use dry clean-up methods only, if possible. Never use water to clean up a spill.
- 5) Keep waste oil, antifreeze, and other fluids properly covered and contained in tight fitting labelled containers.
- 6) All hazardous wastes must be labeled and stored according to hazardous waste regulations.
- 7) Never discharge hazardous waste to the storm or sanitary sewer systems.

Spill Response:


- 1) In the event of a spill refer to the Spill Prevention & Response Procedure.
- 2) Have spill cleanup materials readily available in a known and convenient location.

Signage Required:

- 1) Install and maintain markings on all stormwater inlets located on high priority municipal facilities, as defined at Part I.F of Fairfax County's Municipal Separate Storm Sewer System Permit (MS4), and on County properties with greater than 2-acres of impervious surface. Storm drain markings should indicate that the marked inlet discharges to the storm network or surface water.

Employee Training:

- 1) Train employees on proper preventative practices for vehicle/equipment repair and maintenance.
- 2) Train employees on proper handling and disposal of engine fluids and waste material.
- 3) Train employees and contractors on proper spill containment and cleanup procedures.

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Routine Maintenance:

- 1) Sweep the maintenance area weekly or as needed.
 - a) Wipe up spills with rags and other absorbent materials.
 - b) Use dry clean-up methods only.
 - c) Do not hose down the area to a storm drain.
- 2) Repair damaged hoses and leaky gaskets immediately.
- 3) Collect leaking or dripping fluids in drip pans.
 - a) Keep different types of fluid separate and recycle whenever possible.
- 4) Keep designated maintenance area and equipment clean.
 - a) Do not allow oil and grease to build up over time.
- 5) Keep an accurate maintenance log and inventory to evaluate materials use.
- 6) Only wash parts in a designated area (e.g., parts washer) and verify that no wash water is discharged during the process.
 - a) Clean parts without using solvents whenever possible.

VPDES Permitted Sites:

Those facilities covered under a VADEQ VPDES permit and which conduct regular vehicle maintenance are subject to additional requirements for inspections, documentation, etc. Individuals operating out of facilities meeting this description should consult the Storm Water Pollution Prevention Plan (SWPPP) for their facility and follow all included requirements. As of this signing, the VPDES permitted vehicle maintenance facilities are Newton Maintenance Facility (Permit#: VAR051771), West Ox Maintenance Facility (Permit#: VAR051773), Jermantown Maintenance Facility (Permit#: VAR051770), and Alban Maintenance Facility (Permit#: VAR051772).