

Stormwater: Category 3 BMPs – Vehicle and Equipment Fueling

Department: Environmental Protection

Program: Stormwater

Owner: Program Manager, Darrin Gambelin

Authority: ES&H Manual, Chapter 26, Stormwater

Category 3 best management practices (BMPs) prevent fuel and oil from entering the storm drain system as a result of fueling fleet vehicles and mobile and stationary equipment. Fleet Services manages SLAC's fueling facility, and mobile tanks are used to fuel construction vehicles and stationary equipment in remote areas.

BMPs

- 3.1 Designate the fueling area and be sure it is designed to capture fuel leaks or spills, reduce contact with rain and run-on, and minimize runoff. Inspect the fueling area often for leaks or spills.
- 3.2 Protect storm drains if needed. Protective measures include temporary placement of absorbent material, covering storm drains, or shutting valves off.
- 3.3 Equip designated fueling areas with dry cleanup materials and spill kits. This equipment should be available at both vehicle-fueling areas and on trucks used to fuel construction vehicles and stationary equipment located at remote locations.
- 3.4 Clean up gasoline overflows and spills using dry methods. Do not allow spills to run off or evaporate. Spread absorbent material; sweep it up with a broom, and dispose of as a hazardous waste. Use a damp cloth on pumps and a damp mop on the pavement for routine cleaning. Minimize the volume of potentially contaminated water: **do not spray with a hose!**
- 3.5 Fueling activities must be attended by personnel (employees or subcontractors) who have been trained in spill response procedures. Contractors responsible for refilling fuel tanks must follow all BMPs and safety procedures.
- 3.6 Post fueling instructions. These should prohibit topping off or overfilling gas tanks.
- 3.7 In the event of any spill or release refer to Chapter 16, Spills.¹
- 3.8 Provide 24-hour spill response capability.
- 3.9 Regularly remove and properly dispose of water that collects in secondary containments and the fueling area collection gutter.
- 3.10 Select a concrete slab or paved area for fueling – never refuel on ground. Concrete is preferred because fuel and oils cause asphalt to deteriorate.

Note For a complete list of all BMP categories, see *Stormwater: Best Management Practices Index*.²

1 *SLAC Environment, Safety, and Health Manual* (SLAC-I-720-0A29Z-001), Chapter 16, "Spills", <http://www-group.slac.stanford.edu/esh/environment/spills/policies.htm>,

2 *Stormwater: Best Management Practices Index* (SLAC-I-750-0A16V-001), <http://www-group.slac.stanford.edu/esh/eshmanual/references/stormIndexBMP.pdf>