

NS-8 VEHICLE AND EQUIPMENT CLEANING

Refer to: ITD Standard Drawings P-3-E



BMP Objectives

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|-------------------------------------|-----------------------|
| <input checked="" type="checkbox"/> | Perimeter Control |
| <input type="checkbox"/> | Slope Protection |
| <input type="checkbox"/> | Borrow and Stockpiles |
| <input type="checkbox"/> | Drainage Areas |
| <input checked="" type="checkbox"/> | Sediment Trapping |
| <input type="checkbox"/> | Stream Protection |
| <input type="checkbox"/> | Temporary Stabilizing |
| <input type="checkbox"/> | Permanent Stabilizing |

Definition and Purpose

Vehicle and equipment cleaning procedures and practices are used to minimize or eliminate the discharge of pollutants from vehicle and equipment cleaning operations to a storm drain system or to watercourses.

Appropriate Applications

These procedures are applied on all construction sites where vehicle and equipment cleaning is performed.

Limitations

- On-site vehicle and equipment washing is discouraged.
- Water conservation should be considered. See NS-1.

Design Parameters

- Cleaning of vehicles and equipment with detergents, solvents, or steam shall not occur on the project site unless the Engineer has been notified in advance and the resulting wastes are fully contained and properly disposed of outside the highway right-of-way (see WM-11 (Liquid Waste Management) and/or WM-7 (Hazardous Waste Management)).
Minimize the use of solvents.
- The use of diesel for vehicle and equipment cleaning is prohibited.
- Vehicle and equipment wash water shall be contained for percolation or evaporation away from storm drain inlets or watercourses and shall not be discharged within the highway right-of-way. Sediment control BMPs shall be applied if applicable.

- If the operation cannot be located within a structure or building equipped with appropriate disposal facilities, the outside cleaning area shall have the following characteristics, and shall be approved by the Engineer.
 - Located away from storm drain inlets, drainage facilities, or watercourses.
 - Paved with concrete or asphalt and bermed with an impermeable material to contain wash waters and to prevent run-on and runoff.
 - Configured with an oil-water separator and/or a sand trap.
- When cleaning vehicles/equipment with water:
 - Use as little water as possible. High-pressure sprayers may use less water than a hose, and shall be considered.
 - Use positive shutoff valve to minimize water usage.
- Wash waters shall not be discharged to storm drains or watercourses. Capture and treat or dispose of all wash water.
- Facility wash racks shall discharge to a sanitary sewer, recycle system or other approved discharge system and shall not discharge to the storm drainage system or watercourses.

Maintenance and Inspection

- Conduct inspections as required by the NPDES permit or contract specifications.
- Monitor employees and subcontractors throughout the duration of the construction project to ensure appropriate practices are being implemented.
- Ensure removal of liquids and sediment from the oil-water separator and sand trap as needed to ensure intended use and function is maintained.