

Environmental Management Practices



Activity: Vehicle and Equipment Washing

EMP No. O-12

Description:

Prevent or reduce the discharge of pollutants from vehicle and equipment washing.

Targeted Activities:

Vehicle and Equipment Washing
Vehicle and Equipment Degreasing



Development EMPs:

Design new facilities to:

- Provide a cover over washing activities
- Incorporate recycling system to minimize use of clean water and reduce wastes
 - Discharges from washing system should be sent to sanitary sewer
- Washing facilities should be bermed to prevent run on of stormwater from nearby surfaces
- Uncovered areas should have the following features
 - Paved, preferably with concrete
 - Bermed to prevent run-on of stormwater
 - Sloped to drain that discharges to sanitary sewer
 - Clearly marked to prevent discharges to stormwater system
 - Equipped with an oil/water separator
 - Maintain oil/water separators as discussed in EMP O-6
- Provide proper disposal of solids to local permitted landfill

Potential Pollutants:

Oils and Grease
Petroleum Hydrocarbons
Surfactants/Soaps

Target Environmental Media:

Surface Water

US Regulatory Requirements & Guidance:

40 CFR 117.3 Determination of Reportable Quantities for a Hazardous Substance
40 CFR 122-124 NPDES Regulations for Storm Water Discharges
40 CFR 260-262, 268, and 270-272 Hazardous Waste Management
40 CFR 372 Toxic Chemical Release Reporting: Community Right-to-Know
State and Local Regulations as appropriate to the Port

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Operational EMPs:

- Use off-site commercial washing and steam cleaning, where feasible to decrease the waste generated on site
- Use designated wash areas
 - Indoors or outdoors
 - Covered and bermed where feasible to prevent contamination of stormwater
- Collect and discharge washwater to an approved treatment facility through a permitted connection
- Use “dry” washing and surface preparation techniques, where feasible
- Remove all materials (i.e., drippings and residue) using vacuum methods and dispose of materials properly
- Provide secondary containment for containers of washing and steam cleaning additives.
- Use drain plugs/blocker mats at catch basins or install gate valves at catch basins for use during washing activities to facilitate the collection of the washwater and prevent discharge to the storm drainage system.
- Use biodegradable phosphate-free detergents
- Good housekeeping procedures shall be followed to keep washing area clean and free of waste
- Clearly labels drains “Storm Drain No Dumping”
- Filter and recycle washwater where practical
- Characterize wastes derived from oil/water separators and dispose of these wastes properly
 - Dispose of solids at permitted landfill

Considerations:

- * Provide employee training in spill response and prevention; stormwater pollution prevention; and hazardous materials management
- * Develop regular maintenance and inspection programs for oil/water separators
- * Provide employee training in oil/water separator operation and maintenance