

JOINT BASE LEWIS MCCHORD PERMIT REQUIRED MANAGEMENT PRACTICES WASTEWATER PRETREATMENT

This permit required management practice (PRMP) is being issued instead of an individual permit. PRMPs are mandatory under the Clean Water Act (CWA) and promote compliance with the NPDES permit requirements for stormwater and pretreatment programs. The intent is to provide efficient and effective procedures that protect personnel, plant operations, groundwater, surface water, marine waters and prevent wastewater treatment plant pass through. When these PRMPs are followed properly, they are an effective means of source control which prevents potential pass through or 'slugs' of untreated pollutants from entering the sanitary sewer system or illicit discharges to the stormwater system.

AUTOMATED INDUSTRIAL FLOOR SWEEPERS/SCRUBBERS (For Users at Maintenance Facilities)

Automated industrial floor cleaners (including walk behind, stand-on, and riding) are a type of floor cleaning machine that is used to scrub and/or sweep floors containing light amounts of debris, dust, floor markings, oil, and grease in industrial environments. Automated floor cleaners usually have an internal plumbing system for separating the dispensing tank water/solution from the recovered wastewater. When automated floor cleaners are used in maintenance facilities, the recovery tank wastewater can become extremely polluted. This is especially true at maintenance facility that do not practice spot cleaning of oil or other engine fluids with "dry" cleanup techniques. Additionally, use of soaps and detergents in the dispensing tank can emulsify oil and other engine fluids, adversely affecting the functionality of the facility's oil-water separator (OWS) and potentially leading to pass through or 'slugs' of untreated pollutants entering the sanitary sewer system. Some pollutants of concern in automated floor cleaning recovery water include metals (copper, zinc, chromium, nickel, and lead), non-polar oil and grease (petroleum), and solvents.

To reduce the generation of hazardous wastewater:

DO

- Always make sure recovery water discharges into a drain that leads to the facility's OWS.

For help determining if your facility has an OWS or for help determining which drains connect to your facilities OWS, please contact the Public Works Pretreatment Program at usarmy.jblm.imcom-central.list.dpw-pretreatment@mail.mil.

- Maintenance facilities without an OWS should not use automated floor sweepers to clean their maintenance bays unless able to containerize the recovered wastewater and dispose of it as hazardous waste.

The Pretreatment Program can also grant permission to facilities without an OWS if the facility allows the Pretreatment Program to characterize the

wastewater and make a determination if the wastewater is safe to discharge to the sanitary sewer system. Please contact the Public Works Pretreatment Program to schedule a waste characterization usarmy.jblm.imcom-central.list.dpw-pretreatment@mail.mil.

- Minimize contaminants being recovered by your automated floor cleaners:
 - Always spot clean and use "dry" cleanup techniques prior to using floor cleaners.
 - Practice proper spill prevention and cleanup.
 - Place drip pans or containment devices under all drips and leaks.
 - Sweep large debris and material to prevent it from being discharged.
 - Store dry or liquid chemicals, hazardous materials, and hazardous waste only at approved locations.
- Use ONLY WATER for the solution in the dispensing tank.
- Refer to Pretreatment Permit Required Management Practices for OWSs for further information.

DO NOT:

- Do not discharge recovery water into a drain that is not connected to an OWS.
- Do not use detergents in the dispensing solution tank to help clean floors.
- Do not use automated floor cleaners without first using "dry" cleanup techniques.
- Do not discharge potentially hazardous waste which can create a fire or explosion hazard.
- Do not discharge any solid or viscous pollutants in amounts which will cause obstruction to flow or which contain solids greater than one quarter inch (1/4") or 0.64 centimeters.
- Never use automatic floor cleaners to clean up puddles or spills of oils, fuels, antifreeze, hydraulic fluids, lubricants, or battery acid.

For additional pretreatment information, contact the Public Works Pretreatment Program at usarmy.jblm.imcom-central.list.dpw-pretreatment@mail.mil.

NOTE: All PRMPs are in the process of significant format and content update to meet multiple NPDES permit discharge requirements, JBLM 200-2 and JBLM 200-3.