

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.

PARKERIZATION

The JBLM Directorate of Logistics uses parkerization to coat gun barrels with a phosphate-based coating. The coating protects the gun barrels from corrosion (rusting) and also enhances the surface so that it is easier to lubricate with oil. The parkerization process involves a number of steps where the gun barrels are washed and immersed in baths containing chemical solutions or rinse water. The gun barrels are placed in baskets that are used to transfer the gun barrels through the each process step.

Things to do For Reducing Phosphate and Metal:

1. Place gun barrels in baskets in a vertical position to allow the barrels to freely drain when removed from the chemical bath.
2. Allow the gun barrels and basket to drip-dry above the chemical bath prior to placing the basket in the rinse bath. Always use the minimum drying time identified in the standard operating procedure and use more time for drip-drying if noticeable dripping is still occurring.
3. If pools of chemicals are present when the basket is removed from the bath, reposition the gun barrels or tilt the basket to promote draining.
4. Check each chemical bath daily for leaks.

Things not to do:

1. Do not place gun barrels in baskets in a horizontal position or in a way that would allow bath contents to pool.
2. Do not rinse the gun barrels after removal from the chromic acid bath; allow the gun barrels to completely drip-dry prior to dipping in oil.
3. Do not discharge waste wash water to the sewer.
4. Do not discharge waste chemical bath material to the sewer.

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.

THIS IS NOT AN ACTIVE PROCESS AS OF DATE OF THIS DOCUMENT.