

## **JOINT BASE LEWIS MCCHORD PERMIT REQUIRED MANAGEMENT PRACTICES WATER PURIFICATION EXERCISES**

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.

### **Reverse Osmosis Water Purification Unit (ROWPU), Tactical Water Purification (TWP) and Lightweight Water Purifier (LWP) Systems Field Training**

1. Environmental controls are necessary to protect our natural and cultural resources and to comply with environmental laws and regulations. This memo provides guidance for field training exercises utilizing ROWPU, TWP and LWP systems at Joint Base Lewis-McChord (JBLM).
2. The primary designated freshwater training location for ROWPU, TWP and LWP systems is the storm water detention system at Close-in Training Area-Lima (CTA-L) on DuPont-Steilacoom Road. The only designated salt water training location is Solo Point, with no training authorized between 1 March and 30 June each year. Access coordination for either of these sites must be made with Public Works, Environmental Division (ED) Natural Resources (253-967-3474), Water Program Manager (253-967-2837) and Range Control (253-967-5060). Solo Point access may require coordination with Military Police.
3. Secondary freshwater training locations are Sequalitchew Lake, Lewis Lake, Chambers Lake, Wright Marsh and Johnson Marsh. Use of these sites for ROWPU, TWP or LWP training must include prior coordination with Range Support (253-967-5060), ED Water Program Manager (253-967-2837) and Natural Resources (253-967-3474).
4. Units conducting the field training exercises should use the minimum amount of chemicals and produce the minimum amount of drinking water and associated wastewater required to achieve their training requirements. Hazardous chemicals must be procured through the JBLM Hazardous Material Control Center (253-966-3211). Disposal of excess or unused chemical concentrate or undiluted chemicals in the field is strictly prohibited. Contact ED-Environmental Services (253-966-3170) for assistance with authorized disposal of these materials.
5. During the field training exercises potable water generated by any of the purification units may be discharged to the ground provided the chlorine concentration of the water is less than 0.1 mg/L. Water with a higher chlorine concentration must be dechlorinated

by the training unit before discharge. Discharge to the ground must be at least 50 meters from any surface water. Chlorine concentrations will be monitored by Madigan Army Medical Center Environmental Health personnel. Training schedules should be coordinated with that office (253-968-4342).

6. Potable water may not be discharged back into any of the water bodies at the secondary training locations, regardless of the chlorine concentration. However, as described above, the water may be discharged to the ground at least 50 meters from the water's edge provided the chlorine concentration is less than 0.1 mg/L. Water is to be discharged slowly, such that soil disturbance or erosion does not occur.

7. Potable water may be discharged to the sanitary sewer without dechlorination, provided a Wastewater Discharge Permit has been obtained. See 8 below.

8. Wastewater generated during all field training exercises must be containerized and characterized by ED to determine discharge options. If the wastewater meets discharge standard for the sanitary sewer system, a Wastewater Discharge Permit must be obtained. Applications for the permit can be obtained from the Public Works Customer Service Section (Building 2044). Questions regarding discharge procedures should be directed to the Solo Point Wastewater Treatment Plant (253-967-7453).

9. Questions concerning any purification unit systems training environmental controls should be directed to the Public Works ED Water Program Manager (253-967-2837) and/or Natural Resources (253-967-3474).

**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.