



MCB Camp Pendleton

Environmental Standard Operating Procedure

9 September 2017

Greywater Disposal during Field Training Exercises

Camp Pendleton's Environmental Security Department issues greywater permits in order to comply with federal, State, and local regulations that govern the discharge of greywater to the environment.

This environmental standard operating procedure outlines the approval process and compliance requirements for units that intend to discharge greywater to the environment anywhere on Camp Pendleton from field showers, field laundry, or field mess operations.

Approval Process

1. Contact the Environmental Security Department's NEPA Section at (760) 725-9759 at least 14 days in advance of the desired greywater discharge date.
2. Complete and submit Training Supplement and Greywater Request forms to Environmental Security (NEPA). Include a site map depicting the layout of shower, laundry, and/or field mess areas with terrain, natural land features, bivouac sites, and the 6-digit grid coordinates of the proposed percolation pit location.
3. After obtaining site approval through Environmental Security (NEPA), schedule a percolation pit test by contacting Environmental Security (Wastewater) at (760) 725-9761/0141.

Field Shower and Laundry

1. Use only biodegradable soap, shampoo, and detergent for hand washing, showering, and laundry. **DO NOT USE BLEACH.**
2. Use only minimum amounts of biodegradable household type cleaner if field shower stalls require cleaning. **DO NOT USE BLEACH.**
3. Do not wash petroleum soiled clothing or rags in field laundry units.

Field Mess

1. Scrape off and wipe clean with a paper towel all pots, pans, utensils, and dishes to remove all food and grease prior to washing. Dispose of soiled paper towels in the trash.
2. Use only biodegradable dish soap to wash dishes.
3. Dispose of food, grease, or oil in the trash and not in the greywater percolation pit.

Percolation Pit

1. Locate percolation pits outside of restricted areas identified in Camp Pendleton's Environmental Operations Map. In addition:
 - a. Locate beach percolation pits above the high tide line.
 - b. Locate upland percolation pits at least 50 meters away from surface waters including dry seasonal watercourses (e.g. drainage channels, intermittent streams, vernal pools).
2. Percolation pit sizing criteria:

Number of Personnel	Number of Pits Required	Dimensions Per Pit
<50	1	10'W x 15'L x 3'D
50-100	1	15'W x 20'L x 3'D
101-200	2	15'W x 20'L x 3'D
201-350	2	20'W x 25'L x 3'D
>350	3	25'W x 25'L x 3'D

3. Immediately cease the discharge and contact Environmental Security (Wastewater) at (760) 725-9761/0141 if the discharge fails to fully percolate.

References

1. Regional Water Quality Control Board Order No. R9-2014-0041 (Conditional Waiver No. 1)
2. MCIWEST-MCB CAMPENO 3500.1, Chapter 2

Use and Version Control: Camp Pendleton uses Environmental Standard Operating Procedures (ESOPs) to augment instructions contained in official orders and directives and, where necessary, to provide for sufficient control of the installation's significant practices. Camp Pendleton maintains the authoritative, current version of this and other ESOPs on the Camp Pendleton website at: <http://www.pendleton.marines.mil/Staff-Agencies/Environmental-Security/>