

INFORMATION PAPER

SUBJECT: Reverse Osmosis Water Purification Unit (ROWPU) Training Actions

1. PURPOSE. To provide guidance to Military Components on Installation requirements for Reverse Osmosis Water Purification Unit (ROWPU) training actions.

2. INFORMATION.

a. Water Purification Points are located at the existing laundry/bath points in TA7C: VP 4878/7840 Warren Swamp, TA 9B: VP 5370/7954 Black Creek, and TA11B: VP 4667/8331 Black Creek. Additional positions approved for ROWPU operations are located in TA6B: VP 4410/7785 Black River, TA6C: VP 4473/7798 Black River, TA14B: VP 6025/8424 Quarry Pond, and TA17A: VP 5310/9420 Indian River.

b. A Record of Environmental Consideration (REC) is required to monitor usage and check proper functional operations of the facility and or environmental conditions of the field location. The REC is required prior to use.

c. All other locations will be approved on a case-by-case basis, as a more stringent environmental review is required. (REC required).

d. The Reverse Osmosis Water Purification Unit (ROWPU) creates three types of water: (1) Brine: the portion of water which is siphoned off from the total water drawn from the water source (river, creek, swamp, etc.) which contains natural contaminants such as dirt, leaves, microorganisms, etc.; (2) Backwash: the brine water "reused" to clean the 4 stage filters of the ROWPU; and (3) Product Water: the final product from the ROWPU operation. This water is potable and is chlorinated to enhance potability.

e. IAW NY State regulation, any release of backwash, brine, and/or product water on site is prohibited. Brine and backwash water from ROWPU operations can no longer be dumped at the shower points. This water will be disposed of at a designated drop-off point. Unit shall be prepared to contain and haul fluids for disposal. In all cases, the unit conducting water purification must call the PW Work Order Desk, ext. 2-5495, to request pump and transport for wastewater disposal. Unit shall submit this request as far in advance as possible so scheduling is possible!

f. Potable, chlorinated, water that is not consumed can be put into the sumps located at the shower point facilities. Units can also coordinate disposal of this water at additional sites (e.g., sanitary sewer, CVWF). Advanced coordination is required.

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g. Under no circumstances shall any substance be put into any waterbody.

3. CONCLUSION. Planning and coordination are needed to comply with the requirements of the Federal and State laws and Army regulations pertaining to ROWPU training actions. Additional guidance can be obtained from the PW, Environmental Division at (315) 772-5708/5110; DSN 772.