

**ARMY NATIONAL GUARD  
FY06UFR'S**

**15 January 2005**

**SUBJECT:** Tactical Water Purification System (TWPS) 1500 GPH  
**FY06 UFR: \$60.6M**  
**APPN: 2**  
**AREA OF INTEREST: MODERNIZATION**

**DESCRIPTION:** The TWPS is capable of supplying 1500 gallons per hour (GPH) of potable drinking water for Unit of Employment (UE) and Unit of Action (UA) ground units in remote areas. Extremely mobile, the TWPS is flat rack mounted allowing it greater tactical agility in support of ground, amphibious, air assault, and airborne forces. The system can purify water in all climates and in nuclear, biological, and chemical (NBC) conditions and is easily transported on a HEMTT LHS, PLS. CH-47F, C-130.

**ISSUE JUSTIFICATION:** The Army National Guard requires 127 TWPS. The requirement covers the Infantry UA's, Aviation UA's Fires UA's, SBCT, and the water companies. The first modular water company begins conversion in FY06 and the last is programmed for FY09. There is currently no funding for TWPS programmed for these units.

**PROGRAM STATUS:** Programmed dollars fund water purification systems for fielding to 6 UEx, 3 SUAs, and 3 SBCTs. Programmed OPA and RDTE support the Transformation Campaign Plan and the system has an approved ORD. POM 06-11 TWPS funding was at minimum production rate which equates to a critical requirement of 1 TWPS per month (enough to keep the production line open). The program is funded at 100% of critical requirements (Qty = 12, POM = 5.7M). There is a supplemental request by the active component that totals \$8.6M to buy 20 additional TWPS to support modularity.

**IMPACT OF FUNDING THE CAPABILITY:** The TWPS provides purified and potable water for the individual soldier and unit sustainment. Tactical water purifiers provide quality water support to sustain the war fighters, civilian agencies, or host-nations for disaster relief, humanitarian efforts, and peace keeping missions. The TWPS reduces the logistical footprint by replacing existing systems and has significant manpower reductions. Additionally, it reduces the transportation requirement for bottled water and reduces traffic on main supply routes. At present, the Army National Guard depends on 20 year old, less capable and reliable technology to provide clean drinking water to our soldiers. The system supports the Army's demand for water resources in the Joint Operating Area (JOA).

*(Include for internal ARNG coordination/use only)*

**SUBJECT:** Tactical Water Purification System (TWPS) 1500 GPH  
**APPN: 2** **APE: R05200**  
**LIN: Z97761**  
**MDEP: RJL7** **MDEP TITLE: liquid log**  
**DAMO-ZR 1-N List Priority Number:**  
**Division Priority:**  
**Functional POC:** MAJ Rice **Div:** NGB-ARF-L **Tel:** 703-607-7829  
**Approval Authority:** COL Barrineau / NGB-ARF / 703-607-7800

(Based on \$477k per unit X 127 units = shortfall of \$61M)

**\*Note: Changes in requirements and unit costs due to the on-going design of the Modular Force require this information paper be updated periodically. Next analysis and update will occur in early March 05.**