

Lightweight Water Purification (LWP) System

Provides a safe, reliable, supply of potable water to support ground and amphibious troops, Special Operation Forces, and air mobile/airborne units.

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance



Description & Specifications

The Lightweight Water Purification (LWP) system consists of a feed water pump, hoses, Reverse Osmosis Water Purification Unit (ROWPU) elements, ultra filtration, high-pressure pump, control panel, 3-kilowatt tactical quiet generator, and a 1,000-gallon water storage and distribution system. The LWP can purify chemical, biological, and nuclear contaminated water. It is mounted on modular skids that can be lifted by four people and will normally be transported in a two-soldier cargo

High Mobility Multi-Purpose Wheeled Vehicle (HMMWV). The LWP can be sling transported by utility helicopter (UH-60) and is air droppable from C-17/C-130 fixed-wing aircraft. It is capable of supplying 125 gallons per hour (GPH) of potable water from a fresh water source and 75 GPH from a salt water source to support a wide range of tactical and contingency operations.

Program Status

- **Current:** In production; fieldings began in May 2005

Projected Activities

- **FY07:** Continue fielding
- **FY08:** Continue fielding

ACQUISITION PHASE

Concept & Technology Development

System Development & Demonstration

Production & Deployment

Operations & Support

Lightweight Water Purification (LWP) System

FOREIGN MILITARY SALES

None

CONTRACTORS

Mechanical Equipment Co. (MECO) (New Orleans, LA)

