



# DUAL PHASE EXTRACTION REMEDIATION SYSTEM FABRICATION

## FORT BELVOIR MILITARY GARRISON BLDG. 247 - FT. BELVOIR, VIRGINIA

**Client:** Mactec Engineering and Consulting, Inc.  
US Army Corp. of Engineers

**Contaminants:** JP-4 Aviation Fuel

**Impacted Matrix:** Soil and Groundwater

**Scope of Work:** DPE Remediation System Design and Construction



**Project Specifics:** SE SCIENCES was contracted to provide conceptual design and facilitate the fabrication of a mobile DPE remediation unit.

SE SCIENCES personnel constructed a “turn-key” DPE unit with the following capabilities:

20 GPM GROUND WATER INFLUENT

300 ACFM @ 18 INCHES OF MERCURY COLUMN

- 20 hp liquid ring pump
- 280 gal. A/W Separator
- 100 gal. Product Tank
- Dual Filter Housings
- Dual Floor Sumps
- Digital Effluent Flow Meter/ Totalizer
- (5) Well Inlet Manifold
- Oil/ Water Separator
- Air Tray Stripper
- Dual GAC Units
- Data logging Option



*Graphic Touch Screen Controls and Operations w/ Fault Display*