



DUAL PHASE EXTRACTION REMEDATION SYSTEM FABRICATION

FORT BELVOIR MILITARY GARRISON BLDG. 1124 - FT. BELVOIR, VIRGINIA

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

Contaminants: Petroleum Hydrocarbons

Impacted Matrix: Soil and Ground Water

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:

15 GPM GROUND WATER INFLUENT

550 ACFM @ 30 INCHES OF WATER COLUMN

- 15 hp Regenerative Blower
- (10) Well Manifold
- 280 gal. A/W Separator
- Oil/Water Separator
- 100 gal. Product Tank
- Air Tray Stripper
- Dual Filter Housings
- Dual GAC Units
- Dual Floor Sumps
- Data logging Option
- Digital Effluent Flow Meter/ Totalizer



Graphic Touch Screen Controls and Operations w/ Fault Display