

Tank Farm Historic Spill Remediation System Rental

Project Location	New Jersey
GWTT Scope	Design / Build / Rental
Flow Rate	20 GPM
Contract Value	\$250K
Project Duration	12 Months
Contaminants	LNAPL

Key Project Details:

- Custom total fluids extraction and treatment system
- Free product recovery
- Surface water discharge
- All components except vapor and liquid carbon vessels are contained in explosion proof conex container
- Highly automated system

Project Challenges:

- Previous consultant had limited success during their attempts to recover free product
- Active tank farm



Tank Farm Spill Remediation System Rental Project Narrative

GWTT was contracted to design, build, and install a total fluids extraction and treatment system at an active tank farm. The system consisted of air-operated pumps to depress the water table around the LNAPL plume, air-operated product recovery pumps for free product extraction, and a soil vapor extraction (SVE) blower to pull a vacuum on selected wells to aid with LNAPL movement and recovery. All water and product was directed to a 20 GPM conex-box-based treatment system that consisted of an explosion proof rated section to house the oil/water separator, transfer pumps, air stripper, bag filters, SVE blower, and knock out tank. A separate non-classified section housed the air compressor to operate the air pumps as well as all the system controls. Outside, liquid and vapor carbon vessels were utilized for final liquid and air treatment prior to discharge.

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