

Oil Pipeline Spill Remediation: Water Treatment System

Project Location	Maryland
GWTT Scope	Design / Build / O&M
Flow Rate	1,500 GPM
Contract Value	\$8M
Project Duration	9 Months
Contaminants	TSS, oil & grease, VOCs (BTEX)

Key Project Details:

- Oil spill wastewater treatment system composed of settling tanks, oil skimmers, oil/water separators, bag filtration, air strippers, and adsorbers (vapor/liquid phase carbon and organo clay)
- 24/7 O&M
- Winterization package
- Mobilization and demobilization services
- HDPE piping and fusion



Oil Pipeline Spill Remediation Project Narrative

GWTT was contracted to design, construct, and operate a 1,500 GPM wastewater treatment system to remediate oil-contaminated groundwater during the repair of a broken pipeline and the construction of its replacement in Baltimore, MD. The system consisted of settling tanks, oil skimmers, bag filtration, transfer pumps and controls, interconnecting piping and hose, a generator, and a flow meter with totalizer. Moreover, it utilized low profile air strippers and vapor/liquid phase activated carbon absorbers for removal of volatile organic compounds (VOCs), organo clay media for removal of dissolved hydrocarbons, and mechanical filtration for removal of total suspended solids (TSS).

GWTT operated the system 24/7 and also provided the services of mobilization and demobilization, winterization, and HDPE piping and fusion. Due to the safety and environmental challenges associated with oil spill remediation projects, O&M technicians employed site specific PPE for petroleum and distillates in addition to sensitively working around the local ecology.

Connect with our Remediation and O&M experts now: 800-770-0901