GWTT
Ground/Water Treatment & Technology

PROJECT PROFILE

PFAS Groundwater Treatment System

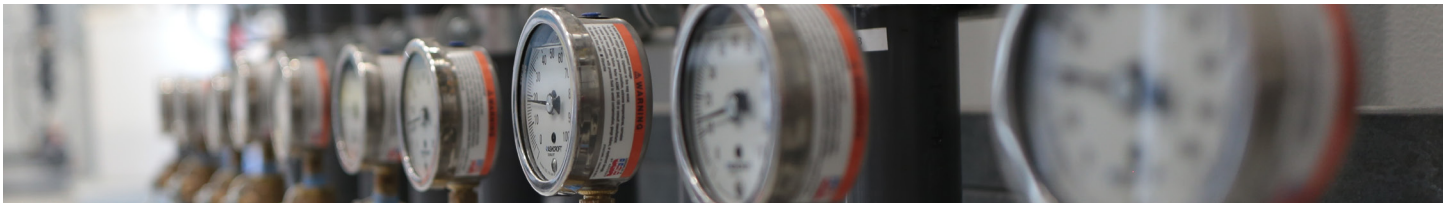
Project Location	New Hampshire
GWTT Scope	System Build / Procurement / Civil Work
Flow Rate	200 GPM
Contract Value	$3.5M
Project Duration	8 Months
Contaminants	PFAS, including perfluorinated and polyfluorinated alkyl substances (PFOA / PFOS)

Key Project Details:

- Synthetic resin system water treatment system; first of its kind installed in United States
- Contaminants: perfluorinated and polyfluorinated alkyl substances from fire-fighting foams
- Site: Former U.S. Air Force Base
- GWTT Scope: Civil work and building erection, instrumentation and controls, process equipment, tanks, piping, plumbing, fire protection, HVAC

Project Challenges:

- A highly accelerated project schedule stemming from public interest posed many challenges during project execution and required GWTT and its partners to maintain a high level of communication and coordination



PFAS Groundwater Treatment System Construction Narrative

GWTT served as project manager for construction of a 200 GPM capacity groundwater extraction and treatment system at a former U.S. Air Force facility in Portsmouth, NH. The site is a former fire-fighting training area where aqueous film-forming foam (AFFF) containing PFAS compounds was used for many years.

The groundwater extraction system includes 10 wells equipped with electric submersible pumps. GWTT installed more than 11,000 LF of HDPE pipe, an 8" water service, a 4,800 SF pre-engineered steel building, all treatment process equipment, and instrumentation and controls. Electrical work was completed by a separate subcontractor.

A unique characteristic of this project was a proprietary, regenerative resin and related equipment provided by a project partner firm.

Connect with one of our PFAS remediation experts now: 800-770-0901

GWTT
Ground/Water Treatment & Technology
627 Mt. Hope Road
Wharton, NJ 07885

p: (973) 983-0901
f: (973) 983-0903
www.gwttllc.com

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