

**BACKGROUND:**

Feasibility Study requested by Environment Canada's (EC) Emergencies Science and Technology Section (ESTS) on PFAS remediation in 2012 with the objective of evaluating the efficacy of granular activated carbon and ion exchange media for the removal of PFAS in contaminated groundwater.



Industry:  
**MILITARY**

**SCOPE OF WORK:**

- Designed, manufactured, and rented out a water treatment system capable of treating PFAS impacted groundwater.
- Designed, supplied, and installed the well network (pumps, piping, and infrastructure) required to recover contaminated groundwater.
- Extracted and operated groundwater treatment system.

**Conclusion:**

This feasibility study provided enough critical data to confirm the efficacy of the pump and treat system used, with regards to the treatment of water contaminated with PFAS, using an adsorption based approach.

**All guidelines were met for treated water in terms of TSS, metals, hydrocarbon, and PFAS removal.**

Results: **CONFIDENTIAL.**

