

### BACKGROUND:

During the removal of an aged petroleum fueling station underground infrastructure, contaminated groundwater was observed, which delayed the installation of new infrastructure.

SCG was contacted to provide a pump and treat water system, capable of separating contaminated groundwater from fuel, and treating the contaminated groundwater.

In addition to this, the system needed to be capable of separating fine suspended particules through settling tanks, while maintaining flow rates required to dewater the excavation.



Industry:  
**OIL & GAS**

### General Scope of Work:

Dewatering and pumping of over 400 liters per minute of contaminated groundwater for treatment, allowing the client to continue with the the removal and reinstallation of tank farm infrastructure.

### Results:

Staged tankage and clarifiers were used to treat the excess particulates without limiting the pumping rate, resulting in a cost effective solution.

The dissolved hydrocarbons were treated with an air stripper and granular activated carbon.

To maintain dewatering operations, additional protocols were developed to allow routine maintenance to take place without shutting down the system.

The client was able to successfully install infrastructure within their required budget and timeframe.

Project duration: two months

