



# CASE STUDY

## Underground Water Treatment Facility

- ▼ **LOCATION:** Fort McMurray, Alberta
- ▼ **PROJECT TYPE:** Baffle Curtain supply and installation
- ▼ **PRODUCT USED:** Potable Water Geomembrane (XR-3 PW)

### ▼ **PROBLEM:**

The water treatment facility consisted of a large underground concrete clear well whereby untreated water entered one side and exited on the opposing side. The client was looking to increase the capacity of the clear well to improve the water treatment process.

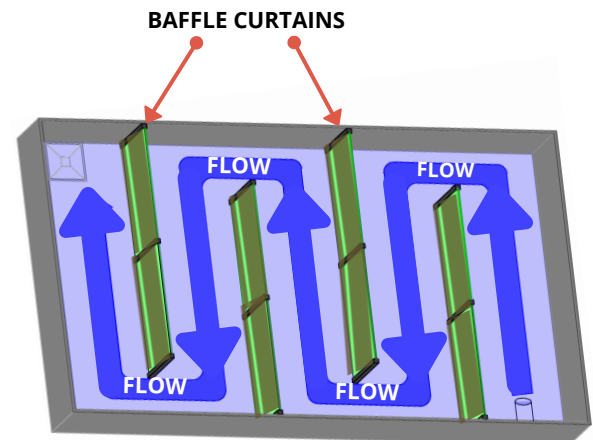


### ▼ **THE TITAN SOLUTION:**

Titan fabricated, supplied and installed a potable water geomembrane baffle curtain system. The purpose of the baffle curtain system is to direct the water through a winding route from the inlet, forcing it to take the longest path to the outlet. This increases the contact time of treatment chemicals with the water to improve the treatment process. The baffle curtains were hung vertically and affixed to the concrete on all sides using stainless steel hardware.

### ▼ **ACHIEVEMENT:**

We were chosen for this project due to our expertise with geomembrane fabrication and installation, in addition to our reputation in being able to quickly adapt and overcome unexpected installation challenges.



Contact us for more information:

**TITAN ENVIRONMENTAL CONTAINMENT**

Toll free: 1-866-327-1957 | Email: [info@titanenviro.com](mailto:info@titanenviro.com) | Web [www.titanenviro.com](http://www.titanenviro.com)

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