

Complete Pressure Filtration System



Case Study Details

Design Flow: 72 L/s

The Town of Waterford required a new municipal water treatment plant to accommodate a growing population. The groundwater source to be used as the raw water was under the influence of surface water, and therefore had a high turbidity. It was determined that a pressure filtration system was required to reduce the turbidity prior to chlorine disinfection. H2FLOW provided skid-mounted pressure filtration vessels containing Macrolite™ media as well as the plumbing, valves, piping, chemical feed equipment and controls for the plant.

The Macrolite™ engineered ceramic media was chosen as it provides good performance for a smaller footprint tank and has more consistent solids removal than conventional filtration media. The customer was completely satisfied with the pressure filtration system and especially liked the fact that it was a modular, skid-mounted design with flexible chemical addition capability.

The system has been running since installation and the Town has had no issues with the plant operation or water quality since that time.

Engineering Consultant: Hydromantis
Installation Contractor: Dover Mechanical
Start-Up: 2004