

Greensand Filters and UV Disinfection System



Case Study Details

Peak Design Flow: 13,800 m³/d
Average Design Flow: 5,000 m³/d

The Town of Georgetown in the Regional Municipality of Halton has grown significantly over the past few decades. As a result, it was determined that additional treatment capacity was required for the municipal water treatment plant to meet the demand of the growing population. At the same time, it was decided that the existing chlorine disinfection system should be replaced with an ultraviolet (UV) system for primary disinfection.

H2FLOW was asked to provide the additional greensand filtration needed for iron and manganese removal, and also to supply a complete UV disinfection system for the total design flow.

The greensand filtration system provided is operating well and helping the municipality achieve their iron and manganese limits. The Town is also very happy with the Trojan Swift 4L12 UV system, which provides consistently good disinfection for the treated water with minimal operator time requirements.

Engineering Consultant: Stantec / RV Anderson
Start-Up: 2010