H2FLOW EQUIPMENT INC.

Niigon Technologies

MacTier, Ontario

Iron Removal Treatment System

Case Study Details

Niigon Technologies, required a treatment system to reduce the iron levels in their raw water entering the facility.

H2Flow provided an economical system comprised of chlorination, green sand filtration and dechlorination. The system was designed to provide an average day flow of 13.5 m3/hr with a peak of 20 m3/hr.

H2Flow provided the installation in conjunction with GridIron Mechanical in September of 2009.

The system has been achieving the following removal performance:

	Influent(mg/l)	Effluent(mg/l)	AO Limit(mg/l)
Fe	1.0 to 2.3	0.04	0.30
Mn	0.2 – 0.4	0.03	0.05

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