

## Iron and Manganese Removal System & UV Disinfection System



### Case Study Details

**Peak Flow:** 5435 m<sup>3</sup>/day  
**Average Flow:** 2504.8 m<sup>3</sup>/day

This project was incorporated as a part of system upgrades at Schomberg Water Supply.

H2FLOW EQUIPMENT INC. supplied an Iron and Manganese Removal System consisted of three Macrolite pressure filters. H2FLOW also supplied a TROJAN UV disinfection system consisted of three model Swift 12 reactors.

The plant has been operating effectively, meeting the discharge requirement. The iron levels after the Iron and Manganese Removal System have dropped below 0.3 mg/L and the manganese levels have dropped below 0.05 mg/L. The Iron and manganese removal performance also improved the efficiency of the UV system by increasing UV transmittance to more than 75%.

**Engineering Consultant:** Hatch Mott MacDonald  
**Start-Up:** 2008

