

## Drinking Water Disinfection System



### Case Study Details

Design Criteria:		
Peak Flow: 7,139 m <sup>3</sup> /d	Average Flow: 4,900 m <sup>3</sup> /d	Dose: 40 mJ/cm <sup>2</sup>

After the drinking water disaster of May 2000, where 8 unfortunate people lost their life and thousands were sick due to *E. coli* contamination. H2Flow received a call within hours of the disaster and a temporary treatment plant was implemented on an emergency basis to immediately address the concerns for safe drinking water.

When the emergency was over and the Town had to look for a permanent, cost-effective solution to ensure their drinking water was safe for the foreseeable future, they turned to H2Flow to provide an Ultraviolet (UV) disinfection system.

H2FLOW EQUIPMENT INC. supplied two Trojan UV Swift reactors. Each reactor is capable of handling 100% of the required capacity, therefore providing complete redundancy.

The system has been in operation since installation and the Town has had no further concerns about their drinking water. Since the installation, H2Flow has been a key partner in providing regular service maintenance to ensure Walkerton's water remains safe for years to come.

**Engineering Consultant:** RV Anderson Associates Ltd.

**Installation Contractor:** CRA Contractors Ltd.

**Start-Up:** 2005