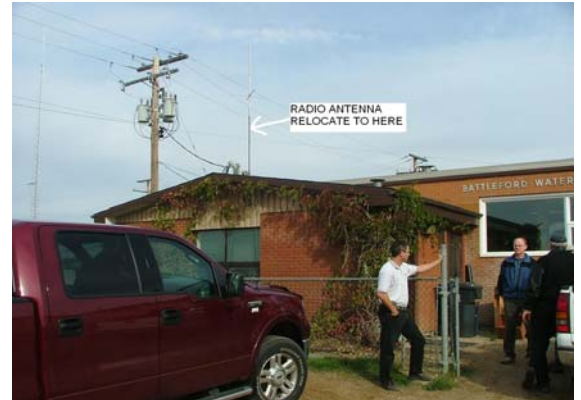


**Project Name: Town of Battleford Water Treatment Plant Upgrade and VFD Addition**

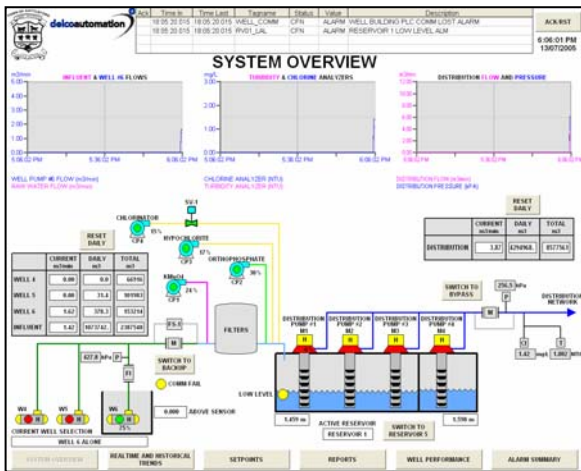
Location: Battleford, Saskatchewan

Owner: Town of Battleford

Prime Consultant: Catterall & Wright Consulting Engineers



**Plant Facility:** This Water Treatment Plant receives groundwater from 3 remote wells and processes it through a greensand filter system. Distribution pressure control is done using a 40hp Variable Speed pump, with additional capacity supplied by 3 additional fixed speed pumps.



**Delco Automation’s Scope of Work:** Designed, engineered, manufactured, and commissioned PLC/HMI based automation system for water treatment plant and upgraded controls for well # 6.

**Technology:** An Allen Bradley SLC 5/05 PLC performs the primary process control and monitoring for the SCADA. An additional MicroLogix PLC is located at Well #6, communicating with the SLC5/05 through BenteK Ethernet modem using DF-1 protocol. GE-Fanuc iFix SCADA software provides the operator interface, data logging and trending. Additional software developed using Crystal Report is used for printing daily/monthly reports.