

## Casino Rama STP

The sewage treatment plant serves the Chippewas of Rama First Nation community located approximately 10 km northeast of Orillia, Ontario. The treatment plant is based on SBR (Sequential Batch Reactor) technology. The design capacity of the plant is 2,100 m<sup>3</sup>/d with provisions to expand in the future by 50%.

A Central Control & Monitoring System (CCMS) provides the ability to monitor and control various plant operations. The CCMS ties into several Unit Control PLCs in the plant.

Operator interface/control is provided through a panel mounted industrial workstation as well as a desktop PC. The architecture is shown in the figure below.

Two communication networks are used to tie into equipment PLCs. The first is for the GE Fanuc Series 90 PLCs using SNP, and second is for Allen Bradley SLC 500 Series PLCs using DH485.

Additional field I/O is connected directly to the CCMS PLC.

Wonderware SCADA software is used for the operator workstations.

