

Sarnia Sewage Treatment Facility



Client:

City of Sarnia

Location:

Sarnia ,Ontario

Client Contact:

Available upon request

Key Personnel:

Bill Weekes CET RCDD CFOT

Bruce Smith

Peter Leupen

Project Type: Design-Build

Project Role: IT/Communications Design Consultant

Description: Fancom was called in to review the current cabling infrastructure for the Sarnia Sewage Treatment Facility, initially to determine the level of functionality of its existing fibre network connecting their SCADA facility to a number of process buildings within the facility footprint.

Various aspects of the current cabling infrastructure were tested to determine the level of performance according to initial installation specifications. Any shortcomings noted in the system were logged and a summary report was delivered to Facilities Management in the form of a brief workshop.

Shortcomings in the current infrastructure were discussed and a number of options to repair/upgrade the current cabling system were offered with a view to budget engineering as well as future considerations.

A new glass fibre ring was installed with suitable path redundancy to enable the SCADA facility and the additional process buildings to be connected, allowing management to monitor and control all processes from the SCADA building. Consideration was given to allow for future expansion of additional process buildings as well as sufficient excess capacity for future video monitoring or other systems that would also run on the new fibre network.

Systems Designed:

Division 27: Division 27 – Communications

Communications Cabling for Data

Communications Cabling for Voice

Communications Cabling for Wireless

Communications Cabling for IP Surveillance

Communications Cabling for Access Control

Services Provided:

- Project Management
- Site Review
- Conceptual Design
- Detailed Drawings & Specifications
- Installation
- Commissioning