

## Background

Construction of new Water Resource Recovery Facility (WRRF). The project involves the construction of the new treatment plant along with outfall and force main between the two.

## Project Scope

- New pumps, Grit equipment's, Bar Screens, Aeration grid, Clarifiers.
- Plant wide HVAC & Gas detection system
- Electrical Scope: MCC's, VFD's, lighting panels and transformer. RPU and communication panels.
- Instrumentation: PLC, Control Panel, Process Instruments and SCADA Programming.

## Project Demand

- ☞ Experts from MEP & Instrumentation of WTP being new project.
- ☞ Effective Project Management & execution.

## Reason for Win!!

- ☞ Listed as an approved System Integrator
- ☞ Accurate budgeting & Value Engineering

# Water Resource Recovery Facility – Town of Erin

## Scope of Valley Integration Inc., - Instrumentation + Control Panel + Programming

Valley Integration was responsible for SITC of,

- New PLC, Mixer, Heat Tracing and Communication Panels
- Process Instruments: DO Analyzer, Gas Detection System, Flowmeters, Pressure, Temperature and Level.
- PLC, HMI & SCADA Programming, Testing, Integration, Commissioning and Documentation.
- FAT, SAT and training for Instrumentations and PLC's.

### List of Major Suppliers:

- PLC : Rockwell PLC
- SCADA : GE iFIX Professional
- OIT : FactoryTalk View ME
- SCADA Standards : Valley's own standards
- INSTRUMENTS : By Valley as per approved list.



**Valley Integration Inc.**

Unit 12, 3170 Ridgeway Drive, Mississauga, ON L5L 5R4

[www.valleyintegration.com](http://www.valleyintegration.com)