

## Background

Replacement & Upgradation of existing equipment's in Digester complexes and Imported Sludge Receiving Station to meet specified operational performance.

## Project Scope

- Replacement of Mixers to linear motion technology.
- Process Mechanical and Electrical upgrades.
- Replacement of Waste Gas Burners.
- Plant Instrumentation and Control programming.

## Project Demand

- ☞ Gas Detection System handling experience.
- ☞ Modification, Verification, and coordination between contractors.

## Reason for Win!!

- ☞ Holistic Solutions: Offering end-to-end services for Instruments & Control Panels.
- ☞ Showcased proficiency in PLC panel modifications, verifications & programming.
- ☞ Effective Project management team to ensure seamless supply, commissioning & integration.

## *Digester Complex Upgrades and Refurbishments project for The Duffin Creek Water Pollution Control Plant*

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

Valley Integration was responsible for,

- Supply, commissioning, and training of Gas Detection system & various flowmeters and Pressure Instruments.
- Verification of existing PLC panels that requires modifications.
- Supply and commissioning of Control devices, Control panels and PLC.
- FAT and SAT of supplied PLC Panels

### List of Major Suppliers:

- PLC : Emerson Rx3i
- SCADA : Existing
- INSTRUMENTS : By Valley as per approved list.



**JACOBS**



**Maple Reinders**  
Integrity in Building Excellence



**York Region**

**Valley Integration Inc.**

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