

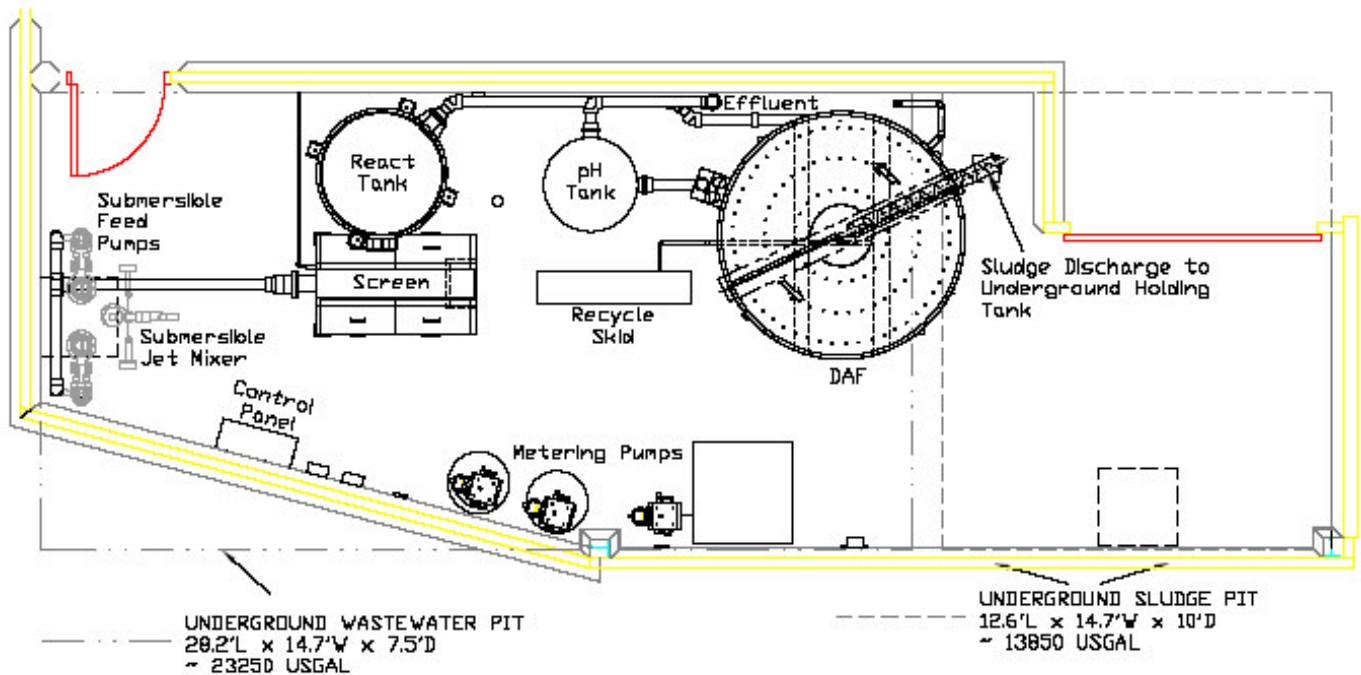


470 North Rivermede Rd, Unit # 7, Concord, Ontario, Canada L4K 3R8
Tel: (905) 660-9775 / Fax: (905) 660-9744

PORK ABATTOIR



WASTEWATER TREATMENT FACILITY



**WASTEWATER TREATMENT FACILITY
PORK ABATTOIR
FACT SHEET**

SUPPLIED: Complete Process Design / Equipment Supply

Dissolved Air Flotation with Recycle Skid
Internally Fed Rotary Screen
Chemical Metering Pumps
pH Control System
Automatic Polymer Feed Pump
Process / Holding Tanks
Outdoor Underground Pump Station
Process Control Panel with PLC

PERFORMANCE PARAMETERS:

Parameter	Influent (Avg)	Effluent (Avg)
BOD₅ (mg/L)	1400	350
TSS (mg/L)	505	45
O&G (mg/L)	48	5
Ph	6	7

DESCRIPTION:

Abattoir operations, including slaughter, boning and processing produce a wastewater highly charged in soluble and insoluble organics. This equates to loadings high in biochemical oxygen demand (BOD) due the blood content and high loadings of total suspended solids (TSS) due to particulates accumulated from the slaughter process. Methods of treatment include a required primary chemical treatment to precipitate the protein in the blood and flocculate other suspended solids before clarification with dissolved air flotation. H2Flow Equipment has experience with this type of industrial waste and can provide a turnkey solution customized to suit the customers needs. H2Flow Equipment can also provide secondary biological treatment to further lower pollutant levels to required municipal by-law limits.