

Dewatered Cake Screw Conveyor System – Residue Management Facilities



Case Study Details

Equipment: Shaftless Screw Conveyor system
Material handled: Dewatered Cake (15~25% solids) from centrifuge
Number of Conveyors: 2
Conveyor length: 8554mm
Conveyor diameter: 420mm
Inlet/Outlet: 1-top inlet, 4-bottom outlet
Slide gates: Electrically actuated

New Ontario provincial regulations require treatment of waste produced during the filtration process. Residue Management Facility (RMF) has been built at WTPs in the city of Toronto to treat residues left over from the water treatment process.

H2FLOW EQUIPMENT INC. supplied the shaftless screw conveying system complete with the electrical control system.

Engineering Consultant: MacViro Consultants Inc.
Installation Contractor: Malfar Mechanical Inc.
Start-Up: 2006