

## 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: 3

Conveyor diameter x length: 320mm x 18,084mm, 420mm x 6400mm

Inlet/Outlet: 1-top inlet, 7-bottom outlet

Slide gates: Pneumatically 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 complete shaftless screw conveying system for the dewatered cake from centrifuges.

**Engineering Consultant:** CH2M Hill

**Installation Contractor:** Sutherland-Schultz Inc.

**Start-Up:** 2007