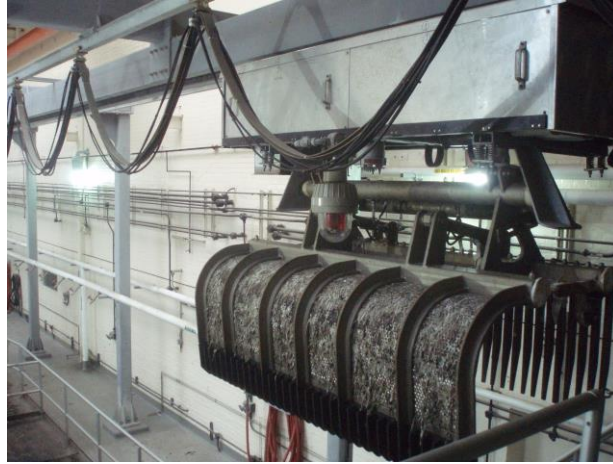


Bosker Type Coarse Screens



Case Study Details

Four deep channels with four 50mm screens (8.5m deep) and two shallow channels with two 50mm screens (2.5m deep)

Total flow handled by the 6 screens: over 1,000 MLD

The City of Toronto had six old rake-type screens together contributing screenings to a conveyor system that included two parallel screw conveyors of over 50 feet long each. This arrangement meant heavy and onerous maintenance, keeping the operators busy fixing the multitude of proximity switches and drives, plus other components. After visiting many installations of different type of screens, the operators were convinced by the Ovivo Bosker screens for their simplicity, efficiency and reduced number of components and moving parts.

The existing six mechanical screens they had would be reduced to six heavy duty static screens with no moving parts and the combined tasks of raking the screens and transporting the screenings would be done by only one chariot/rake grabber. The chariot is programmed to perform the clearing of the static screens sequentially and also transport the screenings to one storage location without the need for operator intervention or additional conveyors.

The installation was done with a second chariot installed as a stand-by unit. The operators are now satisfied with operation that requires only inspection visits from time to time and twice a year inspection/maintenance of the chariot.

Consultant: Associated Engineering

Start-Up: 2008