



Case Study

Disc Pumps Only Ones to Work

City of Canby, WW Treatment Plant, Oregon

The Challenge

Sludge is corrosive and abrasive

High solids content too much for centrifugal pumps

The Discflo Solution

Trouble-free operation for four years since start-up

Non-impingement pump action ideal for abrasive, corrosive fluids

No solids clogging due to lack of close tolerance in pump wet end

Several disc pumps are being used at a state-of-the-art wastewater treatment plant in the City of Canby, Oregon. They are installed at various stages of the bio-solids treatment process to pump some very abrasive, viscous, corrosive and high solids content sludge. All three pumps handle up to 13% solids, and the majority of the sludge is mixed with lime and has a pH of 12-12.5.

"These pumps are the only ones that work in this application" says Steven Dee Hanson, Wastewater Treatment Manager for the City of Canby Wastewater Treatment Plant in Oregon.

"This is a new process and at first, we had to limit the concentration because the centrifugal pumps couldn't handle the thicker solids. For the Discflo pumps, it's no problem," says Mr Hanson. Apart from a seal problem on one of the pumps, they have operated trouble-free since start up in early 1994 (reported 1998).

Call Discflo now to find out how our pumps can solve your problems.



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