



Sludge Cake Handling

Technical Data	Plant Description
<p>Screw conveyors - 1 off Ø300 x 6000 long centreless</p> <p>1 off Ø300 x 12500 long inclined centreless screw conveyor having swivel base and motorised radial</p>	<p>As part of a WWTP, two new centrifuges were installed along with a discharge system to a bunded yard. On the outlet of the centrifuges is an out of spec sludge diverter valve which returns wet sludge to the centrifuge until the desired DSC is achieved. At this point the valve switches to the discharge position and the conveyor system starts operation.</p>
<p>Slide valve - 325 x 680 slide valve with Rotork Actuator</p>	<p>The second conveyor is driven in a 100° arc over the yard indexing in steps between a series of proximity switches. An Ultrasonic level probe fitted near the outlet end initiates rotation to the next position and continues to do so until the end of travel contact is made.</p>

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