

Project

Data Sheet



Solids Handling Plant for Sludge Treatment

Installed 1998 - Contract Value £320,000

Client: John Mowlem and Company plc

Technical Data	Plant Description
<p>Storage Silos - 2 off 160 tonne capacity 5500 dia (bolted construction) Discharger 2350 dia Bin Activator</p>	<p>De-watered Sludge Cake having a dry solids content of 28/35% is fed to the storage silo by a system of belt conveyors. Discharge is controlled by a sliding frame discharger and weigh belt feeder to a continuous ploughshare mixer.</p>
<p>Storage Silo - 1 off 100 tonne capacity 4000 dia (welded construction) Discharger 1800 dia Bin Activator</p>	<p>Re-active and stabilising powders are pneumatically conveyed into the silos from bulk tankers. Discharge is by ISERCO bin activators with screw conveyors feeding the day bins on demand.</p>
<p>Storage Silo (Sludge Cake) - 1 off 30 tonne capacity 3400 dia (welded construction) Discharger (sliding frame)</p>	<p>Accurate metering of the powders into the mixer, determined by weight and moisture sensors is achieved by bin activators ensuring consistent discharge to variable speed screw feeders.</p>
<p>Screw Conveyors - 6 off 139 dia tubular</p>	
<p>Weigh & Belt Conveyors - 500 wide x 9200 long</p>	<p>The plant is designed to treat between 5 and 10.5 tonnes/hour of sludge cake.</p>
<p>DayBins - 2 off 3 tonne capacity 1 off 6 tonne capacity</p>	

Cleeve 
MATERIALS HANDLING LIMITED

Suite 12, Lightpill Mill, Bath Road Trading Estate, Stroud, Glos. GL5 3QF

Tel : 01453 750085 Fax : 01453 766776 Email : info@cleevemh.co.uk Web Site: <http://www.cleevemh.co.uk>