

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 |
|--|---|
| Storage Silos - 2 off 160 tonne capacity 5500 dia (bolted construction) Discharger 2350 dia Bin Activator | 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. |
| Storage Silo - 1 off 100 tonne capacity 4000 dia (welded construction) Discharger 1800 dia Bin Activator | 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. |
| Storage Silo (Sludge Cake) - 1 off 30 tonne capacity 3400 dia (welded construction) Discharger (sliding frame) | 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. |
| Screw Conveyors - 6 off 139 dia tubular | |
| Weigh & Belt Conveyors - 500 wide x 9200 long | The plant is designed to treat between 5 and 10.5 tonnes/hour of sludge cake. |
| DayBins - 2 off 3 tonne capacity 1 off 6 tonne capacity | |

Cleeve 
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