

Project

Data Sheet



Solids Handling and Sludge Stabilisation

Installed 1999 - Contract Value £300,000

Client: John Mowlem and Company plc

Technical Data		Plant Description
Sludge Cake Storage	- 40 tonne capacity - Sliding frame discharger - 400 dia screw feeder	De-watered sludge cake, having a dry solids content of 25-30% is fed to the storage bunker either direct from the belt process or via tipping road vehicles. Discharge is by a sliding frame and screw feeder to a belt conveyor fitted with weight and moisture sensors, into the continuous ploughshare mixer.
Weigh Belt Conveyor	- 650 wide x 14,000 long	
Radial Belt Conveyor	- 500 wide x 10,000 long	Lime is pneumatically conveyed into a silo from a bulk tanker. Discharge is by an ISERCO bin activator and inclined tubular screw feeder, with injectors into the mixer.
Continuous Ploughshare Mixer	- 900 litre	
Lime Storage Silo	- 60 tonne capacity - discharger 1,250 dia - Bin Activator	The amount of Lime added is controlled by the weight and moisture content of the sludge cake.
Screw Conveyors	- 168 dia x 6,000 long	Treated product from the mixer is fed by a radial belt conveyor to road vehicles.
Injector Screw	- 168 dia x 2,000 long	
		The plant is designed to treat 12-13 tonnes/hour of sludge cake.

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>