

Application Report - No.15



Dried Sludge



Selwood were required by Severn Trent Water, Minworth, to provide a pumping solution to remove the dry sludge from a sedimentation tank and pump it a distance of 850 metres.

The first stage of the job was to condition the sludge by mixing and jetting in a quantity of water. This process was achieved by suspending a Selwood HS150 screw impeller hydrosuck into the sludge utilising a 10m telescopic handler. Once conditioned the sludge was then pumped, utilising the HS150, into a Selwood S250T which then boosted the sludge 820m through 200mm steel pipework. The velocity maintained ensured that it did not settle in the pipework.

The system was fitted with flushing points to enable the pipework to be flushed and cleaned at the end of each working day. This also ensured the site remained clean throughout the contract.

Selwood supplied and installed all of the equipment from stock and provided a complete turnkey solution along with project management.

The system provided was considered to be more cost effective and efficient than the usual method of vacuum tankers and succeeded where other pump companies had been unable to achieve the results that the Selwood system had.

Severn Trent were delighted with this effective solution to the removal of the sludge.



HEAD OFFICE
Selwood Group Limited
Bournemouth Road
Chandler's Ford
Hampshire SO53 3ZL



	HS150	S250T
Pump Speed	-	1800rpm
Capacity	290m ³ /h	760m ³ /h
Suction Lift	-	9.1m
Max Solids Size	100mm	125mm
Air Handling	-	24 l/s
Inlet / Outlet Port	150mm	250mm
Delivery Head	12.75m	60m