

# Scarborough STW

## Truck Loading Storage Silo with Sliding Frame Discharge Machine



Saxlund International Ltd won the contract to supply this truck loading silo for Scarborough Sewage Treatment Works. The de-watered cake is pumped into the top of the silo and Saxlund's Sliding Frame technology is used to discharge at 80m<sup>3</sup>/h into trucks. Because of the sensitivity of the site to odour escape, the supply included a 'drive through' tunnel with automatic roller doors at each end. The control panel for the system was also within our scope.



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Here at Saxlund, we thrive on being at the forefront of the bulk solids handling and storage industry. Our dedicated team of professionals are constantly developing new machinery and components, to ensure we give you the customer the best quality possible and keep Saxlund the industry standard.

Over the last 50 years our group have had constant demand from companies worldwide. We offer a complete solution - bespoke design, construction, commissioning and comprehensive "after-sales" support.

Our specialist knowledge, with particular expertise in flat bottom silos and bunkers, can be applied to bulk materials and alternative energy solutions for industries including cement, bioenergy, wastewater and recycling.

### Technical Data

Saxlund project ref. no.:	SUK 1037
Year of construction:	2004
Material:	De-watered Sewage Sludge Cake
Bulk density:	1000 kg/m <sup>3</sup>
Dry solids content:	22 - 28%
Specification	
Discharge rate:	80m <sup>3</sup> hr into trucks
Equipment	
	1 x De-watered Sewage Sludge Cake Storage & Truck Loading
	Silo with Sliding Frame Discharge Machine
Silo diameter:	6000mm
Silo capacity:	184 m <sup>3</sup> gross
Sliding Frame type:	GL-6000-SX-DM
Hydraulic cylinder diameter:	250mm
Hydraulic power pack motor rating:	18.5 kW
Tank capacity:	200 litres
Discharge screw conveyor type:	DM 450
Length:	5800mm
Discharge screw motor rating:	15 kW

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