



# PLANT REPORT



## Fiddler's Ferry Power Station

### Biomass Reception and Handling System

The two stockpile Push Floor discharge machines each hold 1000m<sup>3</sup> of material. The stockpile is maintained at an average height of 4m using the mobile plant and the static stockpiles of material within the storage building. The material is pushed towards the discharge opening by the reciprocating action of the Push Floor and falls into the lower section of the Saxlund Scraper Chain Conveyor. The chain conveyor pulls the material towards the outlet and discharges onto a belt conveyor.

#### Saxlund products for silo and conveying technology:

Solids Handling Pumps ● Troughed Chain Conveyors

Screw Conveyors ● Combustion Plants

Sliding Frames ● Control Systems

Push Floors ● Rotary Valves

Elevators ● Tubefeeders





# Fiddlers Ferry Power Station

## TECHNICAL DATA

<b>Saxlund project ref. no.:</b>	SUK 1036
<b>Year of construction:</b>	2004
<b>Power Station Output:</b>	2000 MWe
<b>Material Specification:</b>	Various biomass fuels
<b>Material 1:</b>	Olive residue, BD = 751 kg/m <sup>3</sup>
<b>Material 2:</b>	Shae Nuts, BD = 618 kg/m <sup>3</sup>
<b>Material 3:</b>	Palm kernels, BD = 655 kg/m <sup>3</sup>

### SPECIFICATION

<b>Discharge rate:</b>	25 - 200 m <sup>3</sup> /hr variable
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### EQUIPMENT

#### 2 x Push Floor Discharge Machine

<b>Type:</b>	SB-280-12x1389x15080
<b>Dimensions:</b>	2 no. 2 x 6 ladder fields 8.3m (w) x 15m (l)
<b>Average filling height:</b>	4m
<b>Storage capacity:</b>	2 x 1000m <sup>3</sup>

#### 2 x Scraper Chain Conveyor

<b>Type:</b>	TKF 1200 HBL
<b>Dimensions:</b>	1.2m (w) x 30m (l)
<b>Inclination:</b>	0 deg. / 37 deg.

#### Complete with transfer chutes to belt conveyors 4 x Levelling Screw

<b>Type:</b>	KA 450
<b>Dimensions:</b>	8.3m (l) x dia. 450mm

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