



# JWC International®

## SUCCESS STORY



**Project Name:** KILMINGTON STW

**Project Description:**

Sludge handling equipment needed on site to remove solids from the imported sludge.

**Contact Info:**

Peter Garner  
Site Operator

**Site Address:**

Kilmington STW  
Whitford Road  
Kilmington  
EX13 7RG

**Competitor Info:**

Huber Rotomat supply  
and install quotation  
was submitted.

**Installation Details:**

Completed 23/07/2007  
by May Gurney  
M&E Services South  
(Upgraded 26/2/2010)

### APPLICATION

Flow Capacity:  
45 l/s Sludge Waste

D.S %:  
Upto 4%

Motor Size & Protection:  
4.0KW IP55 & 1.5KW  
IP55

Unit Model Number:  
SRS3200-SS

Serial Number:  
104027-1-1

Special Features:  
10mm perforated screen



### JWC INTERNATIONAL

Unit 15 Daneside Business Park  
River Dane Road  
Congleton  
Cheshire  
CW12 1UN

Phone: 01260 277047  
Fax: 01260 277557

### Kilmington STW:

JWCI have installed a Sludge Receiving System (SRS) to screen the imported sludge at Kilmington STW. The SRS system uses proven Auger Monster® technology to separate the solid material from the sludge, greater solid removal is achieved with the inclusion of the Muffin Monster® grinder which uniformly grinds the solid particles prior to the Auger. This ensures a greater dewatering and compaction process for cleaner more compact screenings for landfill.



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### Kilmington STW:

Kilmington SRS also includes a rock trap prior to the grinder to remove any heavy material that could cause damage to the system such as large stones, metal objects etc. The whole system is controlled by a level sensor and modulating valve to optimise the level in the tank.

The original unit had a 6mm perforated screen fitted as per the tender, this was subsequently modified by JWCI. The tanker loads that the site receives were becoming increasingly higher in solid content which meant that the tanker discharge time was prolonged. To decrease the discharge time JWCI changed the 6mm screen to a 10mm screen. The site still receives tanker loads up to 8% D.S which have very fibrous material which still caused a problem with discharge time, in a combined effort with South West Water the 10mm screen has now been changed out for a 6mm wedge wire screen with the addition of new advanced dewatering section and bearing support. See Picture.



What Convinced the Customer to buy JWCI: We sold the SRS system primarily by advising the customer we could offer a unit that would produce a cleaner more compact discharge by utilising a grinder into our system, at the same price Huber were offering a system without grinder technology. The customer experiences routine blockages with existing Huber units, the grinder and our superior screen technology removes this problem.

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