

DERAGGER II

ELIMINATING PUMP BLOCKAGES

Nigg Waste Water Treatment Plant Client: Kelda Water Services (Grampian)

Kelda Water Services operate and maintain four waste water treatment plants serving the northeast of Scotland. These comprise of Nigg and Persley in Aberdeen and Peterhead and Fraserburgh in the north.

Project History:

Nigg WwTP was a highly problematic site due to the pumps ragging up several times a day.

This necessitated in continual lifting and cleaning of the pumps and attracted large fines whenever tankers were held up by more than thirty minutes.

The Deragger installation has brought Kelda considerable savings in time and cost.

Site Specifics:

- Fitted Deragger IIs on two 5.2 kW Hydrostal DOL transfer pumps on a tanker dump tank
- Installed October 2013

Outcomes:

- Since installation of the Deragger IIs, Nigg has reported only one blockage (on a single pump), caused by a curtain-like material.

“We’ve had no problems since installing the Deraggers at Nigg. They are doing their job and improving the efficiency of the plant.”

– Noel Gallagher, Project Engineer at Kelda Water Services (Grampian)



Data:

Before:

No of operator pump lift and cleans due to ragging:	3 or more daily
Pump full load current:	23 amps

After:

No of operator pump lift and clean due to pump ragging:	1 (caused by “curtain” material)
Pump full load current:	18 amps

The multi-award-winning, patented DERAGGER II is a low-voltage electric pump management system. In **real-time**, it prevents blockages from forming and delivers full pump diagnostic information.

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THE SOLUTION IS CLEAR