

DERAGGER II

ELIMINATING PUMP BLOCKAGES

Lake Worth Master Pump Station

Client: City of Lake Worth

Lake Worth, a coastal city in Palm Beach County, Florida, has 37,000 residents and covers seven square miles. The Atlantic Ocean and Lake Worth Lagoon form the city's eastern boundary, while the fresh waters of Lake Osborne lie to the west.

The 10,000 sq. ft. Master Pump Station contains four 400 h.p. pumps. It pumps around 12.5 million gallons of wastewater per day produced in Lake Worth and seven surrounding communities.



Project History:

The Master Pump Station had issues with 3 pumps clogging around once a week. This caused the building in which they are housed to vibrate, a potentially hazardous situation, and diverted operator time into unblocking the pumps.

A Deragger II was fitted to one of the pumps, which has not blocked since. There have been no further vibration issues.

Site Specifics:

- Fitted DERAGGER II to one 300kW (400 h.p.) pump
- Install date June 2014

Outcomes:

- No ragging issues since installation
- Increased flow rates
- Trial matched desired outcomes of client

It is working great for us and we have not had any ragging issues on that pump since it was installed a couple of months ago.

-David Laperna, Lift Station Supervisor, City of Lake Worth

Data:

Before:

No of operator pump lift and clean due to pump clogging: **1/day**

Pump full load current: **425 amps**

After: *

No of operator pump lift and clean due to pump ragging: **0**

Pump full load current: **410 amps**

No of deragging cycles: **10**

* Two weeks after install



The DERAGGER II multi award-winning patented solution is a low-voltage electric pump management system specifically developed to provide real-time anti-ragging functionality to wastewater pumps.

CLEARWATER
CONTROLS

Morley House, West Mains Ind. Est. Grangemouth,
FK3 8YE

T: 01324 611237

E: info@clearwatercontrols.co.uk

www.clearwatercontrols.co.uk

THE SOLUTION IS CLEAR