

# DERAGGER II

## ELIMINATING PUMP BLOCKAGES

### Western Avenue Pumping Station

Client: Los Angeles County Sanitation Districts

L.A.C.S.D. is the largest municipal in the west coast of America. Responsible for safeguarding the health of around 5.5 million people and covering approximately 2,134 square miles of environment, it embraces ways to deliver innovative and cost-effective wastewater and solid waste management. Western Avenue Pumping Station is located in Western Avenue, California.

#### Project History:

Due to its significant pumping capacity, Western Avenue Pumping Station is L.A.C.S.D.'s trial site for new technologies.

The pumping station ragged up around twice a month per pump prior to trialing the Deragger II. This required regular intervention from operational staff to minimize environmental impact.

Within the first week of install, the Deragger II prevented nine blockages across the two pumps.

#### Data:

##### Before:

No of operator pump lift and clean due to pump ragging:	4/month*1
Pump full load current:	55 amps*2

##### After:

No of operator pump lift and clean due to pump ragging:	0*3
Pump full load current:	52.5 amps*4
No of deragging cycles:	~30 per month*5

##### Source

\*1 - SCADA logs

\*2 - Current monitoring before install

\*3 - SCADA logs/Deragger II logs

\*4 - Typical running current one week after

\*5 - Deragger II logs

#### Site Specifics:

- Fitted DERAGGER II to two 37.5kW (50HP) pumps
- Install date November 2013

#### Outcomes:

- No ragging issues since installation
- Reduction in electricity consumption by 4.5%
- Trial meets desired outcomes of client



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.

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THE SOLUTION IS CLEAR