



INDUSTRIAL
FLOW
SOLUTIONS™

CASE STUDY
DERAGGER®
LOS ANGELES, CA, USA

Improving Safety, Efficiency, and Sustainability: The DERAGGER® Solution in Los Angeles, CA.



Problem

The pump station on Western Avenue in Los Angeles, CA, was equipped with two 50HP pumps that frequently experienced **ragging** and **clogging**—occurring 2 to 4 times per month—requiring regular **manual intervention** to clear the blockages.

This process was not only time-consuming but also posed significant **health and safety risks** to employees, due to exposure to raw waste and sharps.

Moreover, the recurring ragging and clogging presented **environmental risks** to the surrounding area.

The municipality needed a cost-effective and environmentally friendly solution.

Solution

The municipality's local supplier recommended installing a DERAGGER®.

By enabling **Real Time Pump Protection™**, the DERAGGER can immediately slow, stop, and clean the pump whenever an obstruction interferes with its operation. It also monitors the power supplied to your system, helping **protect the motor** from damaging conditions.

In the first week after installation, the DERAGGER **prevented nine blockages** across two pumps, which would have otherwise required manual intervention. Since then, the station has operated **without a single blockage** or clog. Additionally, the municipality monitored electricity usage at the station and recorded a **4.5% reduction in energy** consumption, resulting in significant cost savings—especially important given California's high electricity rates.





DERAGGER®



DERAGGERLite™
Anti-ragging device
Prevents pump clogs



DERAGGER+™
Real Time Pump Protection™



PowerMonitor™
Power analyzer &
data logger

MONITOR

SCADA Ready		●	●
Data Logging (20 years at 5s intervals)		●	●
Derived Flow		●	

PROTECT

Anti-ragging	●	●	
Motor Saver	●	●	●
Dry Run Protection		●	●

CONTROL

0 – 1000+ HP	●	●	●
VFD Compatible	●	●	●
Wet Well Clean		●	
Odor Control		●	
PRO Compatible		●	●

The DERAGGER® is a leading product in the municipal industry, designed to eliminate ragging and clogging issues in pump stations. It offers real-time detection of early rags and clogs, providing intelligent data monitoring and analytics tailored to specific applications.

Key features include:

- Real-time monitoring of dynamic torque waveform to prevent pump clogging.
- High-resolution power analyzer for remote insight into pump station operations.
- Cost savings in time and maintenance through streamlined applications.
- Modular approach ensures compatibility without redesigning control panels.



Controls up to 16 pumps
10" - 32" IP65 anti-scratch screen

DERAGGERPro™

Paired with DERAGGER+™ or PowerMonitor™, simplifies pump station controlling and spreads intelligence across three devices for system redundancy.



ADVANCED KEYPAD

TCP/Ethernet Connectivity, built-in LTE available, LORA radio, start/stop function.



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