We solved ragging problems for Johnson Creek, Chesterfield County, Virginia

PROBLEMS PRE-DERAGGER

- Pumps ragged roughly every two days.
- Operator time wasted on clearing rags.
- Employees exposed regularly to raw sewage and sharps.
- Inefficient operation, pumping well below potential flow rate.

SOLUTION

- DERAGGER™ installed October 2017 as a trial.
- DERAGGER™ uses Real Time Pump Protection™ to stop ragging, increase pumping capacity and therefore reduce electricity and wear.

BENEFITS

- Ragging problems eliminated, manual cleaning no longer required.
- 14.9% energy savings.
- Flow rate increased from 750 gal/min before DERAGGER to 1250 gal/min after.
- Run time reduction of estimated 250 hrs per year.

ESTIMATED ENERGY SAVING:
14.9%

RUN TIME REDUCTION:
15.9% / 250 hrs/yr

FLOW RATE INCREASE:
750 gal/min before to 1250 gal/min after

Estimated Power Cost Savings:
14.9%

Estimated Run Time Reduction:
15.9%

Estimated Call-Out Savings:
100%

Energy saving calculations are estimated based on run times, kW/Hrs and flow rates over a 4 week period.

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