

ACQUISITION OF HUBER SEPTAGE ACCEPTANCE PLANT IMPROVES AND PROTECTS WTF



BACKGROUND

18-Mile Creek Upper Wastewater Treatment Plant is the central location for 6 facilities managed by a 7-person staff. Though their facilities do not exceed 1 MGD, they are designed so the staff conducts operations in a very hands-on manner. They've recently installed the Rotashield Septage Acceptance Plant at the central location, and the Plant Director has high expectations for its results.

FUNDING HELP FROM HIGH PLACES

The 18-Mile Creek Upper WWTP is your typical modestly sized plant that must perform exceptionally well. A 1986 moratorium sparked action for the construction of the Regional 18- Mile Creek Upper WWTP

The RoFAS Septage Drum and WAP Washpress were added in 2016 to improve the reliability classification of this facility to meet the utility's performance expectations. This addition was being pushed by the States requirement for the county to have a septage receiving facility. The city was able to secure a grant that enabled the WTF to procure a more efficient, high rate and clog free technology, traditional screens then utilize bar and rakes and or augers which are problematic, the grant assistance elevated expectations and HUBER achieved the desired results



PROJECT DATA

RoFAS Septage Drum,
WAP WashPress

Liberty, SC

"Our pumps have a 15-year expected life cycle (based on traditional waste streams). But, modern household products sold in the market place have destructive qualities when concentrated by septic tanks. As a result, the building and replacing of conventional equipment was required many more times than anyone could have predicted. Within the expected 15-year life cycle, pumps were actually being rebuilt or replaced several times. At \$25K per replacement, you can imagine what the lack of effective screening technology was actually costing us."

- Brian O'Kelley, 18-Mile Creek Upper Wastewater Treatment Plant Director

TRASH CHANGES CLOG PUMPS

If you want to know how wastewater characteristics have changed over the past twenty years, enter “baby wipes” or “shop towels” and “sewer” on your computer’s search engine. O’Kelley uses a number of these type articles to educate the citizens in Pickens County, SC on the impact of their actions on their region’s wastewater treatment plant. The solids content of today’s septage will overwhelm traditional pumping systems. O’Kelley learned all too well the havoc the trash items were wreaking on his pumps.



“The bonus is that the technology also gives us oversight and control that we’ve never before had. It helps us to protect ourselves from what we do not anticipate. No one wants a repeat of the chaos, expense and environmental risks that we know can be caused by a single careless hauler.”

Brian O’Kelley, 18-Mile Creek Upper Wastewater Treatment Plant Director

STOP TRASH HAVOC

Thus far, The plant director is thrilled with the two HUBER’s ability to clean larger potential clog items out of the flow before it reached the pumps. O’Kelley doesn’t have extensive metrics spanning several years of use to base opinions on, but he can report that in the time that the RotaShield Septage Drum and WAP Washpress have been operating, they’ve processed more than hundreds of septage loads without issue. He may dump one problem load.

ABOUT HUBER TECHNOLOGY, INC.

Headquartered in Denver, North Carolina, HUBER Technology, Inc. operates a 206,000-square-foot state-of-the-art facility that houses offices, training centers, and advanced manufacturing capabilities. This enables us to design, produce, and deliver a wide range of wastewater treatment equipment, from dewatering screw press systems, headworks screens, grit handling, septage receiving, tertiary filtration and equipment and drying of biosolids equipment for use in the water and wastewater industry.



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