

Removing material at 19.5 tons per day; Avoiding high costs and risks when removing debris from a WWTF; Cleaning a sanitary sewer while it remains in full operation

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U.S. SUBMERGENT TECHNOLOGIES

The premier service provider for cleaning wet infrastructure

July Newsletter

Hi Friend,

In this months newsletter:

- Learn how to avoid high operating costs, compliance risks, and safety hazards when removing material from a wastewater treatment facility.
- U.S. Submergent Technologies (USST) recently removed 195 tons of sand and grit from a wastewater treatment facility at the University of Florida.
- See how USST is removing material from a sanitary sewer while it remains in full operation.



USST at UF: 195 Tons of Removed

USST restores the capacity of wet infrastructure safely and efficiently to provide a solution for managers responsible for the maintenance of critical wet infrastructure who are facing safety, compliance, and operational challenges.

USST safely removed 195 tons of sand and grit from the University of Florida's 3 MGD

wastewater treatment facility, restoring capacity and improving plant treatment efficiency.

Our dependable crew safely restored the capacity of 12 separate structures at a rate of 19.5 tons removed per day. The material removed was paint filter dry upon disposal.



USST's Combination³ truck on the jobsite in West Central Florida.

Cleaning a Sanitary Sewer in Full Operation

U.S. Submergent Technologies is currently restoring the capacity of wet infrastructure in West Central Florida.

Thanks to our [GritGone ProcessSM](#) and Combination³ technology the system is being cleaned while in full operation, no bypass pumping required. Sand and grit effectively removed to restore the capacity of the collection system (sanitary sewer pipe).

Click [here](#) to watch a video about our Combination³ technology and GritGone ProcessSM for debris removal.



Decrease Cost and Risk on Debris Removal Projects

Unwanted material such as sludge, sand, grit, and FOGs (fat, oil, and grease), can accumulate in the infrastructure of a wastewater treatment facility. This issue decreases plant efficiency, induces repairs and maintenance, and causes difficulties in keeping a plant in compliance.

It is recommended that digesters have accumulated material removed every 10 years. In reality, a large number of plant operators choose to not remove accumulated material for up to 20 years. This decision results in high maintenance, repair, and operating costs for the facility until the debris is removed.

Traditional debris removal methods include bypass pumping or shutting down a facility, dewatering the infrastructure, and bringing in a vacuum truck, hydro-excavation truck, or excavation equipment/personnel to remove the accumulated material. This process can require extensive amounts of time and money.

Since traditional debris removal methods can take up excessive amounts of time and money, some facility managers take matters into their own hands to create a facility-specific solution like the one in TPO magazines "[Case Study: Reducing the Costs for WWTP Digester Clean-Outs](#)". Project specific solutions have the potential to be more dangerous, costly, and timely inefficient if not properly managed.

[U.S. Submergent Technologies](#) (USST) is the cheaper, safer and quicker debris removal option.

USST can remove unwanted debris from submerged conditions up to 2 to 5 times quicker than other debris removal alternatives, all while a facility remains in full operation.

This is possible thanks to USST's innovative Combination^{3®} technology, which features a vacuum, jetter, and proprietary downhole pumping system. Click [here](#) to learn more about this efficient technology.

USST provides [free quotes](#) and can provide immediate feedback regarding your accumulated debris problems.

Click [here](#) for a free quote.

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www.usubmergent.com

Source: "Treatment Plant Operator." TPO Treatment Plant Operator Magazine Editorial. N.p., 19 June 2017.



Free Quote

Click [here](#) to get a free quote. Our knowledgeable staff can provide immediate feedback regarding your capacity problems to determine your best course of action.

Should you have any questions about our technology or [process](#), or be interested in a [free quote](#), we're happy to help.

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