

CASE STUDY

Septage Receiving Station Increases System Performance



SITUATION

AAA AJAX Pumping Service reached out to Hydro-Dyne for a product to handle solids received from septage vacuum (vac) trucks coming into its facility. Typically, the company receives 10 to 20 vac trucks per day carrying septic, grease and debris from chemical toilets.

Prior to the Hydro-Dyne system, the facility used grinders to breakdown these solids. Then, after the raw septage passed through the grinders a pump moved it to dewatering equipment for further processing.

According to facility personnel, the grinders would consistently break down and the grinder pump required continual maintenance.

When they failed, grinders were very expensive to repair – and when they were removed for service, raw septage would go unscreened and create even further issues across downstream processes. Even with grinders operational, facility personnel had to continually clean the grinder pump to remove rags – this ongoing maintenance had a significant negative impact on the performance of the dewatering equipment.

SOLUTION

In 2011, AAA AJAX Pumping Service purchased Hydro-Dyne's Dusky Shark Septage Receiving Station that consists of a tank mounted Bull Shark Through Flow Screen with a 3mm stainless steel laced link grid and a Whitetip Shark Washing Compactor.

RESULTS

Following installation of the Hydro-Dyne Septage Receiving Station, the company's owner stated that removal of solids from the system helped him save actual hard-costs while increasing overall performance of the existing dewatering equipment.

AAA AJAX Pumping Service also reduced overall maintenance time and expense by implementing the Hydro-Dyne system. With the Hydro-Dyne unit, AAA AJAX Pumping Service has not experienced any shutdown specifically related to the Hydro-Dyne equipment. In a business dedicated to service, the Dusky Shark Septage Receiving Station keeps the vac trucks moving and the process operating reliably and without interruption.

Equipment: Dusky Shark Septage Receiving Station (Thorough Flow Screen)
Whitetip Shark Washing Compactor

Location: Phoenix, AZ

Date: 2011



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