

## Sturbridge, Massachusetts - RAS Pump Upgrade

Application market	Wastewater
Market segment	Sludge Treatment
Pumped medium	Sludge
Pump product	Bearing Frame
Country	USA



### Challenge

Four previously installed pumps of a competitor regularly clogged and had therefore to be opened and maintained every two weeks. A typical result of such maintenance can be seen in the example of the smaller picture shown above; large quantities of textiles and other solids had to be regularly removed from the pump.

### Solution

With minor adjustments to the discharge pipework and base plate, two Hidrostat Screw Centrifugal Pumps were mounted on the original base plates, the originally installed motors could be reused. With the tandem mechanical seal arrangement, other than with the previously used sealing system, seal water is no longer required.

### Benefits

Non-clogging, trouble-, and maintenance-free operation with significant cost savings since the Hidrostat pumps are in use. Because the seal water is no further needed, additional annual savings of approx. 1,500 US Dollars are achieved.

Quantity of units sold	2
Pump type	D04K-HS with Bearing Frame
Motor data	7.5 kW (10 Horsepower) / 4-pole with VFD
Material combination	Cast iron pump body with high chrome impeller and wear parts
Duty point	Flow: 23.3 litres per second (370 US gallons per minute) Head: 14.7 meters (32 inches)
In operation since	December 2016