

# Sludge-Net Dewatering Systems, Inc. Enviro-Sludge Solutions / Wastewater Services

## Our Mission

is to provide a cost effective and reliable service to our customers that, we believe, is superior in comparison to other processes of sludge disposal. We use an innovative process of dewatering the sludge and hauling the solids only. We return the water back to the wastewater treatment facility. We are able to haul large volumes of dewatered sludge and take it directly from the WWTP to the landfill and use far less trucks to accomplish the end result as other types of sludge disposal. This is good for us, good for our customers and good for our environment.

## About us

We have been in the water and wastewater business 24 years. We started building sewer treatment plants in the 80's and we own several water and wastewater systems in the Houston area. We have experience in operations, maintenance and repairs of sewer plants as well as fabrication and construction. Wastewater business is like a family legacy, my Grandfather put in septic systems with a shovel, followed by my uncle and then his sons with backhoes, what an improvement. I expanded into the wastewater treatment business. *Wastewater is our business.*

**In 2006, due to the high cost of hauling liquid sludge, we became interested in expanding our business to include hauling our own sludge and also, to offer the service to other wastewater facilities in the greater Houston area. So, we began looking more extensively at different ways to deal with the problem of sludge.**

As a result of our research we realized there is a better way of doing the dewatering process. So, we engineered, designed and developed a 40' aluminum tandem "Sludge-Net" trailer capable of processing up to 60,000 gallons of sludge depending on the percentage of solids. In most cases we are able to process 35,000 to 40,000 gallons of sludge in one trailer, that is equal to 5 to 6 liquid tankers. This process will change the way sludge is processed. Taking more trucks off the road and making for a greener world. Less trucks, less emissions, making us a environmentally friendly business. We have presented our process to the state which is very favorable of our disposal process. The dewatering process is not new but, our dewatering trailer and polymer unit is the first of its kind and is Patent Pending.

**1 Sludge-Net Trailer is = 5 to 6 liquid tankers**



## Common Sludge Removal Methods

**Liquid Sludge Hauler** With tanker trucks, this is the most commonly used process. One tanker can haul 6,000 to 7,000 gal. of sludge of which 90% is water. This process is inefficient because the weight, limits the amount that can be legally hauled. Therefore, it takes several tankers to empty the average digester at a WWTP. Then they still have to take it somewhere to get the water out before landfill disposal.

**Dewatering Roll-off Boxes** The typical 30 to 40 yd boxes are limited in the volume of processes sludge. They are awkward to use and hard to drain the water back into the plant because they sit on the ground. They are easy to overload and when you load it back on to the roll-off truck they tend to spill out on the ground. Not Good!

**Belt Presses** A good process for very large plants. However, for small and medium size plants the cost to purchase and maintain a belt press is not cost effective or feasible. The dewatered sludge still needs to be loaded into a trailer or roll-off box to be taken to the landfill for disposal, after processing.

**Drying Bed** A commonly used process by small to medium size plants, but the drawback is they have to be dug out and loaded into a roll-off box or trailer and hauled off for disposal. It takes several days and a large area for the process and rain and weather conditions can hinder the drying process. The state agencies are starting to discourage the use of drying beds due to environmental concerns.

**Drying filter beds** A process of drying the sludge in a contained area using filtering tiles. The tiles have to be cleaned and maintained for proper drainage and then the dried sludge still has to be loaded into a trailer or roll-off box for disposal. The operators have to be careful because the tiles are easily damaged.

**Sludge-Net Can Accomodate Larger Jobs with Multiple Trailer Setups.**



## Savings and benefits of our process

In most cases we can haul at a less than competitive price per gallon, due to using; one truck and trailer verses 5 or 6 trucks and tankers to remove the same amount of sludge volume. We can do it, because we haul off only the solids and not the water!

We are proud to offer our solution to a world wide problem. Our slogan is; **Sludge Happens... we get the water out!**

- Less Fuel • Less Labor Cost • Less Insurance
- Less Disposal Cost • Less Maintenance

## More savings that we can pass on to our customers!

We use a flow meter on all our units so our customers know exactly how much sludge has been processed. NO GUESSES! NO ESTIMATES!

## How do we process our sludge?

With our own specialty designed trailers we are able to carry all hoses and equipment to dewater your WWTP. With our own custom designed sludge pump and polymer system we can achieve a constant high rate of dewatering, to fill a trailer at a rate of 100 to 400 GPM. We hook our hoses directly to the digester and pump sludge through the meter into the top of our trailer, the water drains out clear through our hoses coming out of the dewatering trailer and back into the lift station. We are able to load and go directly to the landfill, making our process uniquely an ALL IN ONE process.

**We have the capability to connect multiple trailers together to dewater larger plants.**



## Lower Rates and a Cleaner Environment

- Sludge-Net saves you money while saving our environment as well.
- Our low rates will save you up to 35% on sludge hauling.
- We offer custom pricing for 1 to 3 year contracts.

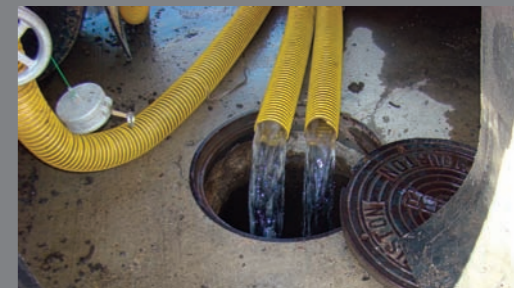
## What we need to get started:

- Current TCLP from your Lab. for landfill approval
- WWTP ID No.
- Sample of sludge to be processed, to determine proper polymer to be used
- Electrical supply and water.

**To see a live demonstration of our process, rates or, for more information call Jerry Nowling at 281-426-5494 or 713-542-1304.**



**Sludge-Net is the most cost effective method to process sludge.**





**We look forward to helping you  
with your wastewater needs.**

**Sludge-Net Wastewater Services**  
P.O. Box 1076  
Highlands, TX 77562

281-426-5494 or  
713-542-1304

Contact: Jerry Nowling

**The Cost Effective, Environmentally Friendly  
Solution To Wastewater Sludge Disposal**

[www.SludgeNet.com](http://www.SludgeNet.com)