

Sewper Rx

Sludge Reduction System



Sewper Rx is a proprietary poly-microbial blend of common, natural microbes mixed with nutrients and enzymes. It exhibits superior digestion properties for the treatment of sewage sludge and greases, yet it is harmless to the environment. The bi-products of this unique product are water and carbon dioxide, with no slime or biomass buildup. Key advantages are –

- **This product does not have to be added continually – usually once every 30 to 90 days.**
- **The product is granular, so it is simple to ship, store and handle.**
- **The use of *Sewper Rx* usually provides a Return on Investment within the 1st year.**

Sewper Rx

- Consumes most of incoming organic waste every 24 hours.
- Increases plant capacity.
- Drives down operating costs.
- Solves odor problems.

The regular use of *Sewper Rx* has been shown to:

- Reduce the volume of sludge requiring post treatment handling or disposal by up to 80%.
- Reduce or eliminate odors.
- Improve settling while reducing or eliminating the need for polymers and chemicals used in the sludge thickening process.
- Reduce electricity consumption.
- Improve effluent quality.
- Increase plant capacity by as much as 50% or more than design specifications.
- **Provide an activated sludge plant a Return on Investment within 8 months.**

Visual Examples of *Sewper Rx* Capabilities



250,000 GPD Plant

Problem: 5 years out of compliance due to Hurricane Katrina damage
State discharge limits – BOD <10, TSS <15 mg/l

Actual – May 2010 – BOD 25 to 40, TSS 35 to 50 mg/l

Following *Sewper Rx* Treatment Program

Actual – June 2010 – BOD 4, TSS 11 mg/l



Segmented waste lagoon system

Problem: Intense odors due to sludge buildup around edges of lagoon
Sludge was at least 7 feet thick on almost all edges of the lagoon

Resolution: Contractors pumped *Sewper Rx* hydrate into sludge

Within 70 days the sludge level had dropped below the water level



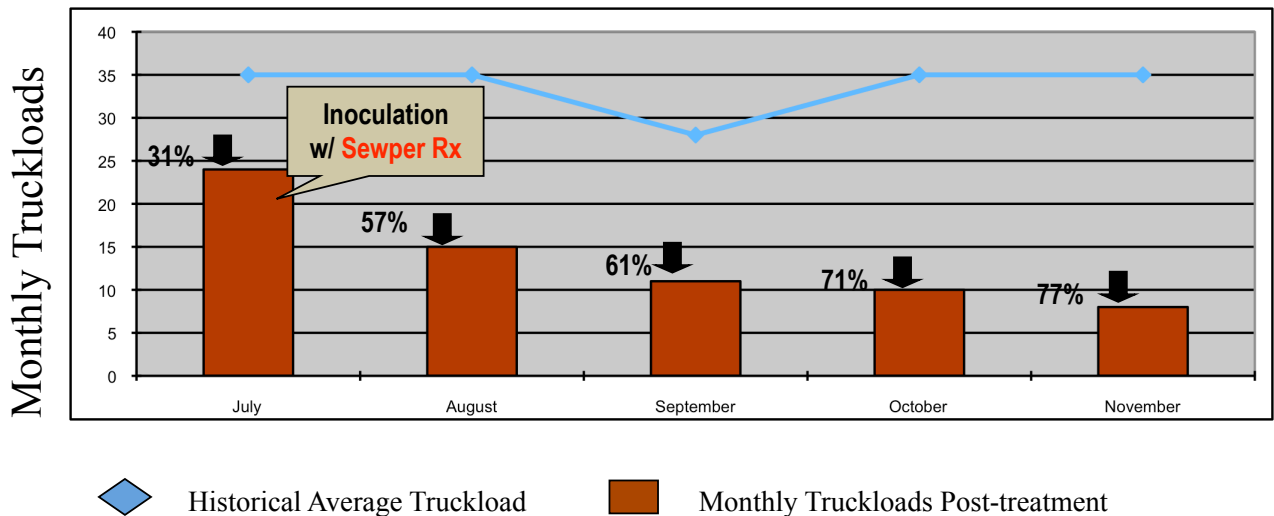
Hog Farm Waste Lagoon

Problem: Excessive odors and concern of groundwater contamination

Sewper Rx added and water tests performed

before treatment and 60 days following treatment

	BOD mg/l	Nitrogen mg/l	Ammonia mg/l	Phosphorus mg/l	Sludge Depth Inches	E. Coli Col/100ml
Before Treatment	460	565	411	218	48	68,900
After Treatment 60 days	76 -83.5%	328 -42%	223 -46%	54 -75%	42 -14%	39,994 -42%



1 MGD Wastewater Plant

Problem: Desire to reduce sludge hauling costs and eliminate odors

Resolution: *Sewper Rx* added to aeration process and digesters

Within 5 months 77% of sludge hauling eliminated

Odors eliminated in 2-3 days

Do these claims seem unbelievable to you?

If so, contact us – no pressure selling – just facts – we will provide a reference list and we are willing to prove all these claims in your own plant.

For more examples of **Sewper Rx** success visit our website at
www.reliantwater.us.com

We can provide you with a questionnaire that will allow us to propose a **Sewper Rx** program for your wastewater treatment plant.

If you have a waste lagoon that has odors, an over-abundance of sludge, or is not meeting your outfall permits – contact us – we DO have a solution.

Sewper Rx is the answer if -

- Your plant has insufficient capacity
- You are experiencing escalating operating costs
- Your plant has sludge build-up problems
- You are experiencing violations/fines due to discharge problems
- Your plant is receiving too many complaints over noxious odors

Sewper Rx is producing impressive results in hundreds of waste treatment applications:

- Package plants
- Municipal facilities
- Oxidation lagoons
- Grease traps
- Agricultural waste remediation projects

Sewper Rx is easy to use:

- Requires no special equipment
- Requires no changes to your facility
- Improves plant efficiency
- It is cost effective

Sewper Rx greatly reduces the need for:

- Drying beds
- Belt presses
- Incinerators
- Frequent sludge pumping
- Sludge hauling
- Sludge disposal

Sewper Rx saves:

- Money
- Polymers
- Chemicals
- Electricity

Finally, **Sewper Rx** has settling properties that promote lower levels of TSS, BOD and it reduces fecal coliform and *E. coli* bacteria levels.

Contact us today and find out how we can help you.

RELIANT

Water Technologies

141 Robert E. Lee Blvd. - #284
New Orleans, LA 70124
Tel 504-400-1239
FAX 504-242-8887

sales@reliantwater.us.com
www.reliantwater.us.com

Represented by -