



PhosBox™ LAGOON PHOSPHORUS REMOVAL

Represented by
Envirep TLC
 (717) 761-7884
 (800) 733-7884
 sales@envirep.com
 www.envirep.com

Your Lagoon: Our Passion. Our Focus. Our Guarantee.

Lagoons are the least expensive, lowest maintenance method of wastewater treatment. Perfecting lagoons is our singular focus. We develop unique technologies and processes that cost-effectively help your lagoon Do It Better. You can upgrade a lagoon to meet or exceed any discharge requirement and ultimately produce clean water for your environment at a fraction of the cost of a mechanical plant.

The best solution is one tailored to work with your existing infrastructure. Our proven process evaluates the entire lagoon system using our proprietary treatment models to determine the best, most cost-effective solution for your treatment goals. We call it our Lagoons Do It Better Process and we believe in it so much that we guarantee that your system will do what we say it will do.

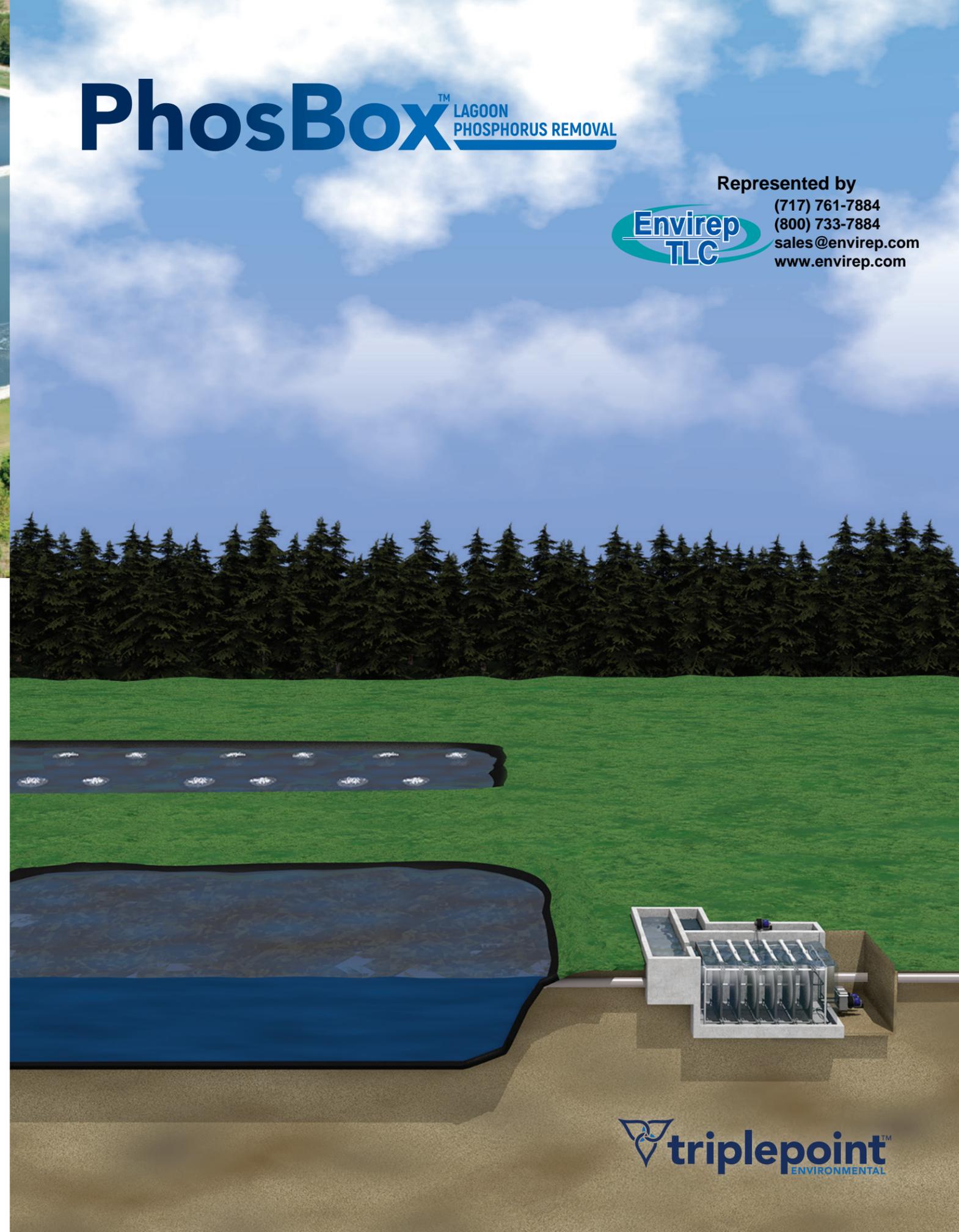
- Ares**™ LAGOON MIXING AND AERATION
- NitrOx**™ LAGOON AMMONIA REMOVAL
- NitrOx-D**™ LAGOON NITROGEN REMOVAL
- PhosBox**™ LAGOON PHOSPHORUS REMOVAL
- LRAS**™ ADVANCED LAGOON TREATMENT



1010 Lake Street
 Oak Park IL 60301
 312.428.4634
 lagoons.com
 800.654.9307



LAGOONS
Do it better.



PhosBox™ is a low maintenance, tertiary lagoon phosphorus removal system designed to achieve effluent phosphorus limits as low as 0.07 mg/L. As wastewater flows into the PhosBox, it is inoculated with coagulant/flocculant that binds to the phosphorus; the combined mixture is then filtered out by a proprietary cloth media. The clean water is then discharged and the reject phosphorus is automatically backwashed and sent to a storage lagoon.

Financially Feasible

The PhosBox System is a highly efficient tertiary filter that can be installed between the final lagoon and the discharge/disinfection point. Given its small footprint and low equipment requirements, capital costs are kept to a minimum. Moreover, the filter operation and periodic backwash cycles are completely automated, so no hand-holding is needed. When maintenance is required, the low cost filter media can be replaced in minutes with zero downtime.

Simple Operation

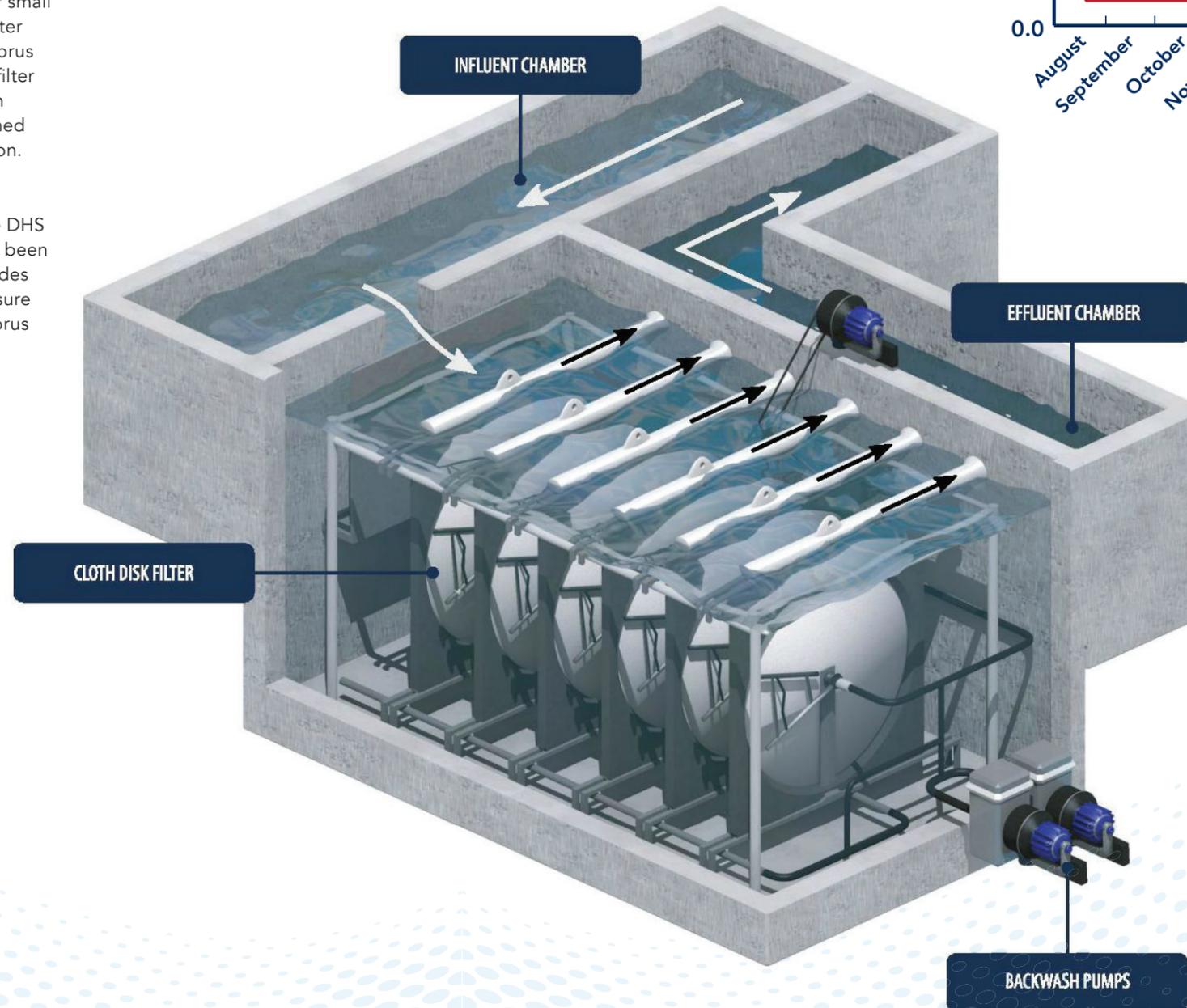
Lagoons are simple to operate—they are low maintenance, low hassle, and offer lots of flexibility—making them the perfect wastewater treatment solution for small communities. We designed the PhosBox with precisely this in mind: Wastewater hydraulically flows through the system, sensors continuously monitor phosphorus levels and control coagulant addition, automated backwash cycles clean the filter media, and system alerts tell you when media needs to be replaced based on an increase in backpressure through the filter. All of these features are designed to make the job of operating a PhosBox System as simple as an aerated lagoon.

Proven & Predictable

The PhosBox filtration technology has been independently tested and is Title DHS 22 Approved by the State of California. The proprietary cloth filter media has been proven to be capable of solids capture to 10 micron. This, coupled with decades of treatment performance, with hundreds of filter installations in the field, ensure that each PhosBox System will reliably and consistently achieve your phosphorus removal requirements.



PhosBox™ LAGOON PHOSPHORUS REMOVAL



PhosBox System Treatment Performance

