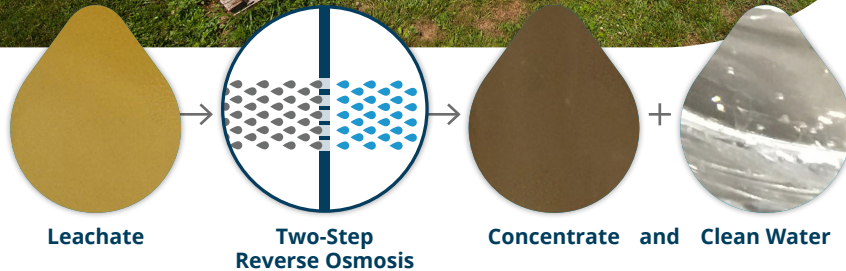




# Farm Leachate Dewatering System



## OUR SOLUTIONS

### *Benefits & Impacts*

#### **TWO-STEP REVERSE OSMOSIS (TSRO)™**

- Recover >90% of farm runoff as clean water
- Minimize lagoon storage of rainwater and runoff
- Reduce hauling and spreading costs
- Prevent the dilution of manure, thereby reducing nutrient runoff during application
- Reduce freshwater consumption
- Eliminate the need to build additional storage



Reclaim clean water  
for animals to drink



Reduce lagoon storage  
of runoff by 90%



Minimize hauling  
and spreading costs



Reduce freshwater  
consumption

## HOW IT WORKS

### *Technology & Performance*

- Farm leachate/runoff is first screened to remove large solids
- Liquid wastewater is filtered through a Forward Osmosis (FO) membrane stack to reduce its volume by >90%
- Reverse Osmosis (RO) is used to generate water clean enough for animals to drink
- Patented high-flux and low-fouling FO membrane ensures high efficiency and uptime
- Highly reliable, non-biological, and polymer-free solution
- Highly automated design requires minimal operator attention



# Our Solutions Work

Contact us today for a quote:  
844.934.4378  
info@digestedorganics.com

## We will help you...

- Reduce hauling and spreading costs
- Reduce lagoon storage of runoff
- Reclaim water

## LEACHATE FILTRATION RESULTS

Parameter	Unit	Leachate	Concentrate	Clean Water	% Removed by TSRO
Total Solids	mg/L	3,900	22,100	360	91%
Total Nitrogen	mg/L	141	695	<0.2	>99%
Phosphorus	mg/L	54.2	304	<0.2	>99%
Potassium	mg/L	238	1260	0.5	>99%



WI Dairy Farm Leachate Treatment



MN Dairy Farm Leachate Treatment

## Just ask the experts...

“Capturing and hauling leachate water is beneficial for our water resources, but it is costly to haul and store. Concentrating the nutrients, keeping additional dilution water out of manure pits, and recovering clean water makes sense economically and environmentally.”

- Amber Radatz Co-Director, UW Discovery Farms



### EXPLORING Filtration

Call to learn how a Leachate Filtration System can help your farm. We will assess your current situation and recommend the best solution for you.



### TESTING Filtration

We will pilot test your leachate at our facility in Michigan and provide a thorough report and proposal for a full-scale system.



### IMPLEMENTING Filtration

We deliver, install, and commission your new filtration system and teach employees how it works, ensuring it meets your expectations.



### MAINTAINING Filtration

The filtration system will become an integral part of your facility and allows you to streamline and expand your operations, reduce water use, and store less leachate in your lagoon.