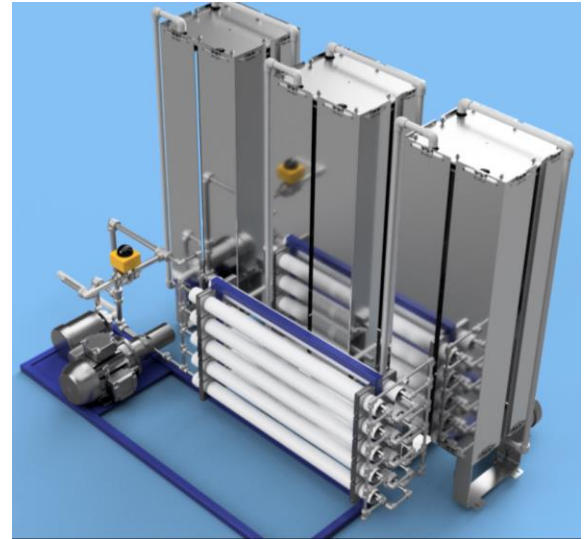


Digested Organic’s **Two-Step Reverse Osmosis™ (TSRO)** process converts brewery wastewater into clean water suitable for discharge/reuse and a concentrated product that can be further treated onsite or hauled offsite for disposal.

We provide this cutting-edge technology as a skid-mounted or containerized package that is easy to install, highly automated, and requires little operator attention. It is available for purchase or can be setup on a fee-per-gallon service plan so there is no capital outlay and your facility immediately recognizes cost savings.

Typically, we can recover greater than 85% of the raw wastewater volume as clean water and oftentimes as high as 95%. Results from recent testing at brewery are shown in the table below. Our TSRO process generated water that met discharge standards at a rate of over 90% of the incoming wastewater.



TSRO System for 3 to 5 GPM wastewater

Parameter	Unit	Raw Feed	TSRO Permeate	TSRO Concentrate
Total solids	mg/L	1,610	210	17,100
Chemical oxygen demand (COD)	mg/L	2,009	2	14,220
Total Kjeldahl nitrogen (TKN)	mg/L	22	n.d.	137
Phosphorus (total)	mg/L	8.3	n.d.	70.3
Potassium (total)	mg/L	20.5	n.d.	18.9
Sulfur (total)	mg/L	5.2	0.6	34.3
Calcium (total)	mg/L	28.4	0.1	243
Magnesium (total)	mg/L	6	n.d.	49.8
Conductivity	mS/cm	1.52	0.36	14.6
pH	SU	6.11	5.61	6.98



Raw wastewater, TSRO concentrate, and TSRO permeate (clean water)

Please inquire today for a customized proposal and to schedule pilot testing at our facility in Farmington Hills, Michigan.