

Innovative Technology for the Environment

Wastewater Treatmer

Compact

Treatment of Digestate

Water Treatment

MaxFlow Membrane Modules

Treatment of Fermentation Residue from a Biogas Plant

Project: Contractor: Application: Capacity: Input: Supply of a process water treatment plant SwissFarmerPower AG, Inwil (Switzerland) Treatment of digestate 45,500 t/a Effluent of biogas plant

Data:

Design and supply of a treatment plant for fermentation residue from a biogas plant with an influent consisting of a manure mix and organic waste from agriculture. The fermentation residue has high concentrations of COD, nitrogen and phosphorous. It is treated so that the membrane plant's effluent can be directly discharged to the public sewer system.

COD influent	L	up to 60	0,000mg/L	
COD effluent	<	<	300 mg/L	
NH ₄ -N effluent	<	<	60 mg/L	
PO ₄ -P effluent	<	<	30 mg/L	
Treatment stages	Chambe	ber Bowl Separator		
	Decanter			
	Ultrafiltration			
	Reverse Osmosis			







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