

Booth Transport

Victoria, Australia

Client Profile: Booth is one of Australia's leading milk transport companies. Prior to BioFiltro, the milk transfer location had all liquid waste being trucked offsite. In 2018, Booth installed BioFiltro, increasing efficiency in waste management and dramatically decreasing the company's environmental impact. At capacity the plant will see a reduction of 3000 tonnes of carbon emission and an additional 121,000 kilolitres of recycled water put into the irrigation system each year. The project was funded by an Environmental Upgrade Agreement over 10 years.



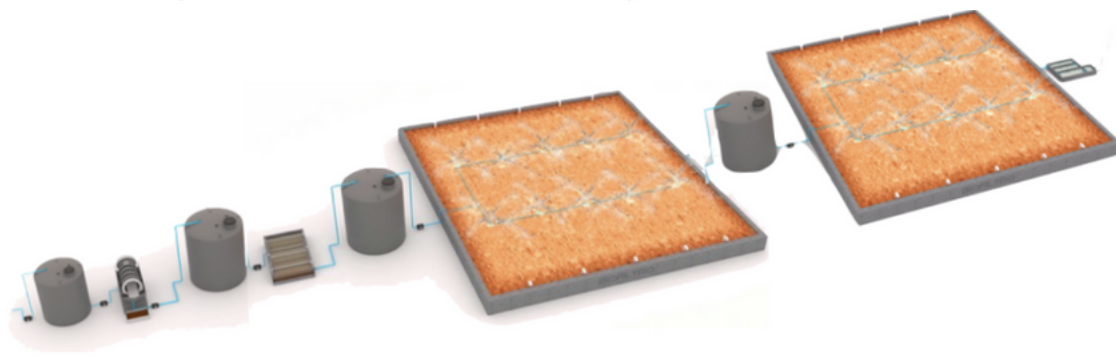
325,000 LITERS PER DAY BIDA SYSTEM

	RAW	AFTER DAF	AFTER BIDA
BOD (mg/L)	4,000	1,250	60
TSS (mg/L)	1,500	200	30
Oil & Grease (mg/L)	750	150	15
TN (mg/L)	200	200	40
TP (mg/L)	60	15	10

Total Bioreactor Area: 4,500 Square Meters
Total Surface Area Required: 6,000 Square Meters
Estimated Energy Demand: 0.15 kWh/1000 lts
Total Power Required: 27 HP

Castings Generation: 850 cubic meters every 18 months

Wood Shaving Replenishment: 1,500 cubic meters every 18 months



Process
Wastewater

EQ Tank
(10m³)

Rotary
Screen

Pump
Tank
(30m³)

DAF

EQ Tank
(100m³)

BIDA #1
(2,250m²)

Pump
Tank
(10m³)

BIDA #2
(2,250m²)

Settling
Tank