

Allen Farms Digester – General Overview

Technology	Schmack / BioFerm - EUCOLino
System Type	Mixed Plug Flow
Operating Temperature	Mesophilic
Internal Solids Content	12 – 14%
HRT	18 days
Tons per Year	6,600
Animal Units	130 Dairy Cattle
Feedstock / Recipe	Manure Scrape – 82% (12.5% TS) Bedpack / Manure – 12% (21.6% TS) Industrial Food Waste – 6% (20.6% TS)
Organic Loading Rate	4.5 kg VS/m ³ /day
CHP Size	64 kW
Electric Sales (\$/kWh)	\$0.09 (Export via PPA with WPS)
Biogas Yield	18 SCFM
Methane Content	58 - 60% CH ₄
Liquid Digestate	1.4 M Gal/Year
Digestate End Use	Lagoon Storage, no further separation today
Digestate Value	Fertilizer – Farm Use

Allen Farm Site Pictures:



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