

Bio-gas Clean-up System

Two each Molecular Gate™ PSA Units to be provided by Guild Associates, Inc.

Design Material Balance:

	Feed	Sales Gas	Tail Gas*
Design Flow, SCFM	600	407	193
Pressure, PSIG	0/Compressed to 100	90	2
Temperature, °F	100	140	150
Composition, Mol%			
C1	70.00	98.00	10.89
CO ₂	29.95	2.00	88.96
H ₂ S	0.05	Nil	0.16
VOCS	PPM Levels	<20 PPB	By Difference
H ₂ O	Saturated	<<7 lbs./MMSCF	By Difference
HHV, BTU/Ft ³	707	990	111
Density, Lb/Ft ³	0.06 from digester 0.43 after compression	0.27	0.105

* Tail Gas will be routed to flare.