



1

Offloading Shed: 54-foot tall, 17,500 square foot building where trucks tip their loads of deep litter directly into an interior pit. The biomass is shredded before being sent on into the system.

2

Agriculture and Food Industry Waste Receiving: 35-foot-tall building where agriculture and food waste is received.

3

Offloading Shed: 48-foot-tall building where tankers offload slurry and are loaded again with degassed slurry.

4

Liquid Storage Tank: The 46-foot tall, 1.5-million-gallon tank provides raw material liquid storage.

5

Digesters: Eight 82-foot-tall digesters contain 2.5 million gallons of biomass each. An agitator ensures that the mixture is consistent.

6

Post-Production & Gas Tanks: Two 46-foot tall, 1.5-million-gallon tanks ensure degassed slurry returns to farmers with same quantity of nitrogen as the fresh slurry delivered to the plant.

7

Bio Filters and Ventilation Exhaust Stack: The 197-foot-tall exhaust stack for two bio-filters which collect odorous substances for biological treatment.

8

Separation Building: 52-foot-tall building where trucks are loaded with solid biomass. Process equipment is on second floor level.

9

Enclosed Biogas Flares: Two enclosed flares (main emergency & backup) are 33 feet tall.

10

Biogas Upgrading Plant: 42-foot-tall building where CO₂ in the biogas is removed. After, the gas consists of 99% methane, the same content as in natural gas.

11

Biogas Upgrading Plant Stack: The 100-foot-tall stack exhausts CO₂ separated from natural gas during the digestion process.

12

Biogas Liquefaction Building: 33-foot-tall building to liquify gas for use in gas powered vehicles or mobile power generators.

13

CO₂ Liquefaction: 33-foot-tall building where carbon dioxide is condensed for commercial use (e.g., carbonation for beverages).

14

Boiler Building & Stack: 25-foot-tall building, exhaust from the boiler is discharged from this 100-foot-tall stack.

15

Emergency Diesel Generator & Stack: Exhaust from the 10-foot-tall emergency generator building is discharged from this <35-foot-tall stack.

16

Admin Building: 16-foot-tall building containing offices, lunch/meeting rooms, showers, changing facilities.