

A blue-tinted photograph of a large industrial facility, likely a fermentation or biofuels plant, serves as the background for the central text. The facility consists of multiple levels of metal scaffolding, pipes, and large cylindrical tanks. The overall scene is industrial and complex.

FERMENTATION / BIOFUELS PLANT FOR SALE



FERMENTATION / BIOFUELS PLANT

CAPACITY 1.4 MGPY | STOCK #444

DESCRIPTION

Complete Fermentation Plant with Real Estate for Sale. Consists of used 1.4 M gallon/year fermentation plant (demonstration plant) and pilot plant. Started in 2009, finally shut down in 2015. Originally designed to produce lignocellulosic ethanol (LCE). Feedstocks including: (1) common sugar cane, (2) purpose grown energy cane, (3) sorghum, (4) bagasse. Offering includes the following process sections: Feedstock handling, Feedstock transfer, Feedstock preparation, Hydrolysis, Liquefaction, Yeast and enzyme propagation, C5, C6 co-fermentation, Ethanol recovery. Plant includes a pilot plant used to develop LCE technology.

MAJOR EQUIPMENT

- 55,000 Gallon SS Fermenter, 18' dia x 25'
- (3) 54,000 Gallon CS Fermenter, 19' dia, cone bottom
- 18,200 Gallon SS Fermenter, 10 psi, 12' dia x 19'
- (3) 18,200 Gallon CS Fermenter, 13' dia, cone bottom
- (4) 6,594 Gallon 316L SS Fermenters, 30 psi, with control skid
- Hydrolyzer - 1" thick SS with inco lining
- Alfa Laval Centrisys
- (2) FKC Screw Presses
- Rectifier
- Beer Stripper
- Thermal Oxidizer
- FKC Dewatering Press
- Texas Power Screen, manufactured by Phoenix (A Terex company), mobile
- TK-205 (Replacement) - Blow down tank for hydrolyzer, Approx 20,000 gal 316L SS Pressure Vessel, designed for 150 psi, 10' dia x 24'
- Unused DAF System

















