



# Louisiana Chemical Equipment Co., L.L.C.

PLANT REMOVAL      SURPLUS EQUIPMENT      LIQUIDATIONS  
USED CHEMICAL PROCESS EQUIPMENT

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## 4 MMSCFD H2 REFORMING PLANT

Plant is mounted on skids and is used to produce high purity hydrogen using steam reforming and a PSA system.

Built in: 2003

Year shutdown: 2006

Excellent Condition

Built by Linde

Designed by Hydro Chem



The plant is designed to produce high-purity, gaseous hydrogen and steam as followed:

### Hydrogen

Flow, SCFH (as pure H2 Feed Gas)      166,667 (4.0MMSCFD)  
Flow, SCFH (as pure H2 Start up Gas)      83,333 (2.0MMSCFD)

Purity, mol % min      99.9

Impurities, ppmv max

CO      10

H2O      50

Temperature, °F max      110

Pressure, psig min      230

### Export Steam

Flow for pressure control only, lbs/hr      1,000

Pressure, psig min      320

Temperature      Saturated

The list of major components of the plant are as followed:

R-101 Reformer  
Waste Heat Recovery  
WH-101 Steam Superheater  
WH-106 Combustion Air Preheater  
Steam Generators  
WH-102 Flue Gas Steam Generator  
WH-104-Reformer Effluent Steam Generator  
WH-105 Shift Effluent Steam Generator  
Vessels  
V-101 Hydrodesulfurizer  
V-102 Shift Converter  
104 Cold Condensate Separator  
V-106 Deaerator  
V-107 Steam Drum  
V-108 Blowdown Drum  
Heat Exchangers  
HX-101 Feed Heater  
HX-104 Process Cooler  
Pumps & Fans  
P-101 A&B BFW Pumps  
F-101 ID Fan  
F-102 FD Fan  
Miscellaneous  
X-100 PSA System

For any additional information please contact:

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