Plant # 307

SULFUR DIOXIDE (SO_2) SCRUBBING SYSTEM FOR SALE

Inlet Gas
Industrial gas containing SO_2

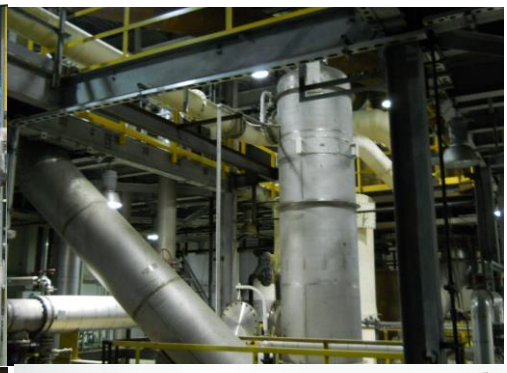
Inlet Flow Rate
48,000 Nm^3/hr

Year built
2008

Product
Liquid sulfur dioxide (SO_2)

Major Equipment

- QUENCH CHAMBER
- VENTURE SCRUBBER
- GAS COOLER
- WET ELECTROSTATIC PRECIPITATOR
- INDUCED DRAFT (ID) FAN
- SO2 ABSORBER
- SO2 STRIPPER
- REBOILER
- STRIPPER CONDENSER
- LEAN/RICH EXCHANGER
- LEAN AMINE COOLER
- RICH AMINE FILTER
- ACCUMULATOR
- LEAN AMINE TANK

BRIEF DESCRIPTION

The Scrubbing System has wide range of applications including:

- INDUSTRIAL AND UTILITY BOILER FGD
- FCCU AND FLUID COKER OFF-GASES
- SULFURIC ACID PLANT TAIL GAS
- CLAUS SRU TAIL GAS
- SMELTER AND REFINING OFF-GASES
- CHEMICAL MANUFACTURING PLANT OFF-GASES
- PULP MILL BLOWPIT AND BOILER GAS

The Scrubbing System is intended to abate SO_2 concentration in the off-gas to emission level of less than 100 ppm, on a wet basis (ppmvw) 365 day rolling average. Off-gas is cleaned and cooled in a wet gas cleaning system consisting of a quench chamber, a venture scrubber, a gas cooler and a wet electrostatic precipitator (ESP). The gas is drawn from the wet ESP by an induced draft (ID) fan and is directed to the SO_2 absorber. The treated flue gas is then discharged to atmosphere through a stack. The absorbed SO_2 will then be stripped from the amine in the SO_2 stripper and will be sent to SO_2 liquefaction unit.

CONTACT US FOR MORE DETAILS

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