Plant # 288

48 TPD SULFUR RECOVERY UNIT FOR SALE

Capacity: 48 TPD

Year Start: 2005

Shut Down: 2010

Technology: Claus process

Feedstock: H_2S acid gas from petroleum refinery

Products: Elemental sulfur

Major Equipment:

- Claus combustor and thermal reactor
- Sulfur condenser
- Catalytic reactor
- Sulfur reheater
- Sulfur seals
- Molten sulfur storage pit
- Sulfur incinerator
- Tail gas reactor
- MDEA absorber
- MDEA stripper
- Quench column

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BRIEF PLANT DESCRIPTION

The SRU3 unit is designed to convert primarily H_2S acid gases from the Amine Regeneration Unit, Poly Unit, and sour water stripper of a petroleum refinery to elemental sulfur. This is based on controlled combustion with air in which H_2S is oxidized to form sulfur dioxide (SO_2), elemental sulfur, water vapor, and heat. A catalyst is used to facilitate the continued conversion of SO_2 to elemental sulfur in this process. The Tailgas Treating Unit essentially scrubs the combustion gases from the Claus process of SO_2 before being emitted to the atmosphere.

CONTACT US FOR MORE DETAILS