**48 TPD SULFUR RECOVERY UNIT FOR SALE**

**Capacity:** 48 TPD  
**Year Start:** 2005  
**Shut Down:** 2010  
**Technology:** Claus process  
**Feedstock:** H₂S 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 H₂S 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 H₂S is oxidized to form sulfur dioxide (SO₂), elemental sulfur, water vapor, and heat. A catalyst is used to facilitate the continued conversion of SO₂ to elemental sulfur in this process. The Tailgas Treating Unit essentially scrubs the combustion gases from the Claus process of SO₂ before being emitted to the atmosphere.

**CONTACT US FOR MORE DETAILS**