

Capacity: 48 TPD  
Year Start: 2005  
Shut Down: 2010  
Technology: Claus process  
Feedstock: H<sub>2</sub>S 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

## 48 TPD SULFUR RECOVERY UNIT FOR SALE



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### BRIEF PLANT DESCRIPTION

The SRU3 unit is designed to convert primarily H<sub>2</sub>S 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<sub>2</sub>S is oxidized to form sulfur dioxide (SO<sub>2</sub>), elemental

sulfur, water vapor, and heat. A catalyst is used to facilitate the continued conversion of SO<sub>2</sub> to elemental sulfur in this process. The Tailgas Treating Unit essentially scrubs the combustion gases from the Claus process of SO<sub>2</sub> before being emitted to the atmosphere.

**CONTACT US FOR  
MORE DETAILS**