

TCEQ COATINGS SOURCES HISTORICAL BEST AVAILABLE CONTROL TECHNOLOGY (BACT) REQUIREMENTS

Sulfur Recovery Units (SRUs)

This information is maintained by the CHEMICAL NSR Section and is subject to change. Last update 10/17/2006.

Year	Source Type	Pollutant	Minimum Acceptable Control	Control Efficiency or Details
1996	SRUs in Natural Gas Processing Plants	Sulfur > 50 LTPD	SRU and Tail Gas Cleanup Unit (TGCU)	99.8% recovery. Tail gas treating unit and SRU operated in a series for a combined 99.8% s collection. Tailgas Incinerator achieves 99.9% control or 10 ppmv H2S at 3% O2 in exhaust. [Added since 1994: CEMS for SO2, Stack sample every 5 yrs for SO2, H2S, NOx, & CO]
		20 LTPD < Sulfur ≤ 50 LTPD	SRU and TGCU	98.5% S recovery
		0.3 LTPD < Sulfur ≤ 20 LTPD	SRU or other technologies	96% S recovery
		Sulfur ≤ 0.3 LTPD	Flare	
	SRUs in Refineries	Sulfur > 10 LTPD	SRU and TGCU	99+% S recovery
		Sulfur < 10 LTPD	SRU	96% S recovery