EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 18277 and PSD-TX-802

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

AIR CONTAMINANTS DATA

Source	Air Contaminant	Emission F	Emission Rates *	
Name (2)	Name (3)	lb/hr	TPY **	
Pretreater Heater H-3401	CO NO_x PM_{10} SO_2 (5) VOC	3.06 11.04 1.78 2.30 0.25	13.42 48.36 7.80 10.07 1.09	
Stripper Reboiler H-3402	CO NO_x PM_{10} (9) SO_2 (5) VOC	2.97 8.36 1.31 2.15 0.24	13.01 36.62 5.74 9.42 1.05	
Reformer Heaters H-3403 through H-3406	CO NO_x PM_{10} (9) SO_2 (8) VOC	44.40 77.40 1.96 17.52 1.20	105.90 211.03 6.27 28.01 3.84	
Debutanizer Reboiler H-3408	CO NO_x PM_{10} SO_2 (5) VOC	6.66 5.40 0.83 2.63 0.25	12.30 21.02 3.22 10.23 0.98	
Regenerator Vent	CO HCI (6) NO _x PM ₁₀ SO ₂ (5)	1.48 0.56 3.29 (7) 0.98 0.06 0.68	4.80 3.05 4.30 0.25 3.00	
	Name (2) Pretreater Heater H-3401 Stripper Reboiler H-3402 Reformer Heaters H-3403 through H-3406 Debutanizer Reboiler H-3408	Name (2) Name (3)	Name (2) Name (3) Ib/hr	

27FUG_001 Fugitives (4)	Fugitives (4)	Cl_2	0.10	0.44
	VOC	14.81	64.85	

- (1) Emission point identification either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources use area name or fugitive source name.
- (3) CO carbon monoxide
 - NO_x total oxides of nitrogen
 - PM₁₀ particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
 - SO₂ sulfur dioxide
 - VOC volatile organic compounds as defined in 30 Texas Administrative Code § 101.1
 - HCl hydrogen chloride
 - Cl₂ chlorine
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Based on maximum fuel hydrogen sulfide content of 150 parts per million.
- (6) 22.9 percent of hydrogen chloride emissions are in the form of chlorine.
- (7) This rate allowed only under scrubber planned maintenance conditions for one hour per year.
- (8) Annual limits based on maximum fuel hydrogen sulfide content of 75 parts per million; hourly limits based on maximum fuel hydrogen sulfide content of 150 parts per million.
- (9) PSD-TX-802 pollutant.
- * Emission rates are based on and the facilities are limited by the following maximum operating schedule:

24 Hr	s/day	7 Da	ys/week _	52	Weeks/\	/ear
2 4 111	Siudy	ı Da	y 3/ WCCK	JZ	VVCCRS/	ycai

** Compliance with annual emission limits is based on a rolling 12-month period.