

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 46534 and PSD-TX-992

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

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
06STK_001	FCCU CO Boiler Stack (Pre Scrubber)	CO	457.00	2000.00
		NO _x	984.00	2650.00
		PM	155.00	675.00
		SO ₂	4610.00	12833.75
		VOC	11.51	50.40
06STK_003	FCCU Scrubber Stack	CO (6)	911.03	3772.98
		NO _x	984.00	2275.00
		PM (6)	140.00	608.82
		SO ₂	832.94	2849.19
		VOC	12.17	53.30
06FUG_001	FCCU Fugitives (Pre Scrubber) (4) (5)	VOC	9.85	40.16
06FUG_001	FCCU Process Fugitives (4)	VOC	9.84	43.10
14FUG_001	North Plant Flare Gas Recovery Unit Process Fugitives (4)	H ₂ S	0.04	0.17
		VOC	4.25	18.63

(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 an area name or fugitive source name.

(3) CO - carbon monoxide

H₂S - hydrogen sulfide

NO_x - total oxides of nitrogen

PM - particulate matter, suspended in the atmosphere, including PM₁₀.

PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.

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SO₂ - sulfur dioxide

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Pre Scrubber fugitive emissions are based on the use of a 28 RCT inspection program, Post Scrubber fugitive emissions are based on the use of the 28 VHP inspection program (and includes emission components from PBR facilities which are being rolled into this permit).
- (6) These emissions are permitted under PSD as well as State reviews.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

24 Hrs/day 7 Days/week 52 Weeks/year

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