EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 18936 and PSD-TX-762M2

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 **
22TANK0503	Tank No. 503	VOC	9.72	20.09
22TANK0558	Tank No. 558	VOC	1.31	0.48
22TANK0559	Tank No. 559	VOC	0.25	0.51
22TANK0560	Tank No. 560	VOC	0.39	1.33
22TANK0561	Tank No. 561	VOC	0.25	0.52
22TANK0562	Tank No. 562	VOC	2.87	6.28
22TANK0563	Tank No. 563	VOC	8.70	18.02
22TANK0587	Tank No. 587	VOC	4.25	4.54
22TANK0589	Tank No. 589	VOC	0.42	0.31
22TANK0925	Tank No. 925	VOC	0.34	0.21
55RGNFLUGS	Regenerator Flue Gas	CO (5)	51.15	224.04
		NH_3	3.98	17.48
		NO_X	68.25	298.94
		PM (5)	45.0	197.1
		SO_X	337.5	1478.25
		VOC	4.88	21.37

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
55RGNFLUGS	Regenerator Flue Gas (6) Post 2000 Project	CO (5)	122.93	305.49
		NH_3	4.91	13.97
		NO_X	94.62	235.14
		PM (5)	45.10	140.81
		SO_X	92.70	71.51
		VOC	6.43	17.13
102	Heater Crude Unit (H-201)	CO (5)	9.57	41.93
		NO_X	26.65	116.73
		PM (5)	1.37	6.0
		SO_2	7.35	32.21
		VOC	0.77	3.35
141	Refinery Flare	CO (5)	2.0	8.76
		NO_X	0.34	1.49
		PM (5)	0.03	0.15
		SO_X	0.34	1.47
		VOC	2.3	20.2
142	Refinery Flare	CO (5)	2.0	8.76
		NO_X	0.34	1.49
		PM (5)	0.03	0.15
		SO_X	0.34	1.47
		VOC	2.3	20.2
348	Refinery Flare No. 4	CO (5)	0.02	0.1
		NO_X	0.12	0.5
		PM (5)	0.01	0.04
		SO_X	0.03	0.1
		VOC	0.01	0.04
353	Amine Tank	VOC	<0.01	<0.001
		H_2S	<0.01	0.002
441	Tank No. 441	VOC	0.25	1.1

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
470	Tank No. 470	VOC	0.94	4.1
505	Tank No. 505	VOC	0.21	0.9
522	Tank No. 522	VOC	0.25	1.1
531	Tank No. 531	VOC	0.94	4.1
535	Tank No. 535	VOC	0.27	1.2
536	Tank No. 536	VOC	0.63	2.8
566	Tank No. 566	VOC	0.02	0.1
567	Tank No. 567	VOC	0.02	0.1
568	Tank No. 568	VOC	0.02	0.1
586	Tank No. 586	VOC	0.25	1.1
591	Tank No. 591	VOC	0.21	0.9
902	Tank No. 902	VOC	0.21	0.9
917	Tank No. 917	VOC	1.19	5.2
918	Tank No. 918	VOC	1.19	5.2
934	Tank No. 934	VOC	0.94	4.1
F349	Catalyst Transport	PM (5)	0.02	0.1
55FCCFUG	Process Area Fugitives (4)	H_2S PM (5)	0.01 0.4	0.01 1.8

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
		VOC	9.7	42.1
F351	Cooling Tower (4)	VOC	7.08	31.0
F352	Process Fugitives (4)	Benzene	<0.002	0.01
		H_2S	<0.002	0.02

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources use area name or fugitive source name.
(3) CO - carbon monoxide
H_2S - hydrogen sulfide
NH_3 - ammonia
NO_X - total oxides of nitrogen
PM - particulate matter including total suspended particulate
SO_2 - sulfur dioxide
SO_X - sulfur oxides
VOC - volatile organic compounds as defined in 30 Texas Administrative Code Chapter 101.1
(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
(5) PSD-TX-762M2 emissions.
(6) December 2000 permit amendment emission rates take effect upon project completion.

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

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

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

Dated March 28, 2001