

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 18936 and PSD-TX-762M1

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
347	Regenerator Flue Gas	NO _x	68.25	298.94
		CO (5)	51.15	224.04
		PM (5)	45	197.1
		SO _x	337.5	1478.25
		VOC	4.88	21.37
		NH ₃	3.98	17.48
348	Refinery Flare No. 4	PM (5)	0.01	0.04
		CO (5)	0.02	0.1
		VOC	0.01	0.04
		SO _x	0.03	0.1
		NO _x	0.12	0.5
141	Refinery Flare	PM (5)	0.03	0.15
		CO (5)	2.0	8.76
		NO _x	0.34	1.49
		SO _x	0.34	1.47
		VOC	2.3	20.2
142	Refinery Flare	PM (5)	0.03	0.15
		CO (5)	2.0	8.76
		NO _x	0.34	1.49
		SO _x	0.34	1.47
		VOC	2.3	20.2
F350	Process Area Fugitives (4)	VOC	9.5	41.4
		PM (5)	0.4	1.8
		H ₂ S	<0.01	<0.01
F351	Cooling Tower (4)	VOC	1.5	6.6
F349	Catalyst Transport	PM (5)	0.02	0.1
441	Tank No. 441	VOC	0.25	1.1

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
466	Tank No. 466	VOC	0.25	1.1
467	Tank No. 467	VOC	0.25	1.1
559	Tank No. 559	VOC	0.16	0.7
560	Tank No. 560	VOC	0.16	0.7
561	Tank No. 561	VOC	0.16	0.7
F352	Process Fugitives (4)	Benzene H ₂ S	<0.002 <0.002	0.01 0.02
586	Tank No. 586	VOC	0.25	1.1
591	Tank No. 591	VOC	0.21	0.9
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
902	Tank No. 902	VOC	0.21	0.9
522	Tank No. 522	VOC	0.25	1.1
584	Tank No. 584	VOC	0.05	0.2
585	Tank No. 585	VOC	0.05	0.2
470	Tank No. 470	VOC	0.94	4.1
471	Tank No. 471	VOC	0.94	4.1
536	Tank No. 536	VOC	0.63	2.8

587	Tank No. 587	VOC	0.94	4.1
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
562	Tank No. 562	VOC	0.25	1.1
531	Tank No. 531	VOC	0.94	4.1
563	Tank No. 563	VOC	0.84	3.7
535	Tank No. 535	VOC	0.27	1.2
503	Tank No. 503	VOC	0.62	2.7
505	Tank No. 505	VOC	0.21	0.9
102	Heater Crude Unit (H-201)	VOC	0.77	3.35
		NO _x	26.65	116.73
		SO ₂	7.35	32.21
		PM (5)	1.37	6.0
		CO (5)	9.57	41.93
353	Amine Tank	VOC	<0.01	<0.001
		H ₂ S	<0.01	0.002

- (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) VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
PM - particulate matter including TSP
CO - carbon monoxide

H₂S - hydrogen sulfide

SO_x - sulfur oxides

NH₃ - ammonia

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

(5) PSD-TX-762M1 emissions.

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

Hrs/day____Days/week____Weeks/year____or Hrs/year 8,760

Dated_____