

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 5171

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**
FL-1, FL-2	Marine Flares	VOC	34.40***	14.65
		NO _x	2.03***	1.20
		CO	17.38***	10.32
FUG+FUG M	Entire Fugitives	VOC	7.33	30.94
MARINE	Marine (Uncontrolled)	VOC	32.5	1.06
TK-DEGAS	Tank De-gassing	VOC	120.58	
		NO _x	3.33	3.52
		CO	6.64	7.02
SUMP-1	Wastewater Sumps	VOC	9.24	9.41
TKFLARE-1	Pit 9 Tank Flare (7)	VOC	12.33	13.66
		NO _x	23.08	15.01
		CO	91.91	59.76
TKFUG-PIT9	Pit 9 Tank Fugitives (7)	VOC	0.08	0.37
T5-11	Tank 5-11VOC		13.66	
T5-12	Tank 5-12	VOC	1.51	
T5-15	Tank 5-15	VOC	13.66	
T5-16	Tank 5-16	VOC	13.66	
T10-1	Tank 10-1	VOC	1.75	
T10-2	Tank 10-2	VOC	13.66	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
T10-4	Tank 10-4	VOC	1.29	
T10-6	Tank 10-6	VOC	1.75	
T10-7	Tank 10-7	VOC	1.38	
T10-8	Tank 10-8	VOC	1.75	
T10-9	Tank 10-9	VOC	1.75	
T10-10	Tank 10-10	VOC	1.75	
T10-11	Tank 10-11	VOC	1.75	
T12-1	Tank 12-1	VOC	2.08	
T12-2	Tank 12-2	VOC	2.08	
T15-1	Tank 15-1	VOC	0.67	
T17-1	Tank 17-1	VOC	0.14	
T17-2	Tank 17-2	VOC	0.14	
T27-1	Tank 27-1	VOC	2.20	
T27-2	Tank 27-2	VOC	2.20	
T30-1	Tank 30-1	VOC	0.16	
T30-2	Tank 30-2	VOC	0.16	
T55-2	Tank 55-2	VOC	13.75	
T55-3	Tank 55-3	VOC	13.75	

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			lb/hr	TPY**
T55-4	Tank 55-4	VOC	2.92	
T130-1	Tank 130-1	VOC	6.06	
T130-2	Tank 130-2	VOC	10.39	
T130-3	Tank 130-3	VOC	10.39	
T130-4	Tank 130-4	VOC	7.93	
T130-5	Tank 130-5	VOC	10.39	
T130-6	Tank 130-6	VOC	4.60	
T130-7	Tank 130-7	VOC	4.60	
T130-8	Tank 130-8	VOC	10.39	
T130-9	Tank 130-9	VOC	10.39	
T130-10	Tank 130-10	VOC	10.39	
T130-11	Tank 130-11	VOC	4.60	
T130-12	Tank 130-12	VOC	10.39	
T130-13	Tank 130-13	VOC	3.59	
T130-14	Tank 130-14	VOC	31.63	
T130-15	Tank 130-15	VOC	3.59	
T150-1	Tank 150-1	VOC	10.57	
T150-2	Tank 150-2	VOC	4.78	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
T150-3	Tank 150-3	VOC	10.57	
T150-4	Tank 150-4	VOC	10.57	
T150-5	Tank 150-5	VOC	10.57	
T150-6	Tank 150-6	VOC	10.57	
T150-7	Tank 150-7	VOC	10.57	
T150-8	Tank 150-8	VOC	4.78	
T150-9	Tank 150-9	VOC	10.57	
T150-10	Tank 150-10	VOC	10.57	
T150-11	Tank 150-11	VOC	10.57	
T150-12	Tank 150-12	VOC	10.47	
T150-13	Tank 150-13	VOC	10.47	
T150-14	Tank 150-14	VOC	10.47	
T150-15	Tank 150-15	VOC	10.47	
T150-16	Tank 150-16	VOC	10.47	
T150-17	Tank 150-17	VOC	10.47	
T150-18	Tank 150-18	VOC	4.68	
T150-19	Tank 150-19	VOC	10.47	

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			lb/hr	TPY**
T150-20	Tank 150-20	VOC	10.47	
T150-21	Tank 150-21	VOC	4.88	
T150-22	Tank 150-22	VOC	4.88	
T150-23	Tank 150-23	VOC	4.88	
T150-24	Tank 150-24	VOC	4.88	
T150-25	Tank 150-25	VOC	4.88	
T150-26	Tank 150-26	VOC	4.88	
T150-27	Tank 150-27	VOC	4.88	
T150-28	Tank 150-28	VOC	4.88	
T150-29	Tank 150-29	VOC	4.99	
T150-30	Tank 150-30	VOC	4.99	
T150-31	Tank 150-31	VOC	4.99	
T150-32	Tank 150-32	VOC	4.99	
T150-33	Tank 150-33	VOC	4.99	
T150-34	Tank 150-34	VOC	4.99	
T150-35	Tank 150-35	VOC	4.99	
T150-36	Tank 150-36	VOC	4.99	
T150-37	Tank 150-37	VOC	4.99	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
T150-38	Tank 150-38	VOC	4.99	
T150-39	Tank 150-39	VOC	4.99	
T150-40	Tank 150-40	VOC	4.99	
T150-41	Tank 150-41	VOC	4.99	
T150-42	Tank 150-42	VOC	4.99	
T150-43	Tank 150-43	VOC	4.99	
T150-44	Tank 150-44	VOC	31.52	
T150-45	Tank 150-45	VOC	31.52	
T150-46	Tank 150-46	VOC	31.52	
T150-47	Tank 150-47	VOC	6.05	
T150-48	Tank 150-48	VOC	6.05	
T150-49	Tank 150-49	VOC	4.58	
T150-50	Tank 150-50	VOC	4.58	
T150-51	Tank 150-51	VOC	4.58	
T150-52	Tank 150-52	VOC	4.58	
T150-53	Tank 150-53	VOC	4.58	
T150-54	Tank 150-54	VOC	4.58	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
T150-55	Tank 150-55	VOC	4.58	
T150-56	Tank 150-56	VOC	4.58	
T150-57	Tank 150-57	VOC	4.58	
T150-58	Tank 150-58	VOC	4.58	
T170-1	Tank 170-1	VOC	31.67	
T170-2	Tank 170-2	VOC	31.67	
T170-3	Tank 170-3	VOC	31.67	
T170-4	Tank 170-4	VOC	31.67	
T170-5	Tank 170-5	VOC	10.52	
T170-6	Tank 170-6	VOC	10.52	
T170-7	Tank 170-7	VOC	10.52	
T200-1	Tank 200-1	VOC	10.43	
T200-2	Tank 200-2	VOC	10.43	
T200-3	Tank 200-3	VOC	10.43	
T250-1	Tank 250-1	VOC	10.40	
T250-2	Tank 250-2	VOC	10.40	
T300-1	Tank 300-1	VOC	10.42	
T300-2	Tank 300-2	VOC	31.89	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
T300-3	Tank 300-3	VOC	10.37	
Landed Roof Refill Cap	Any 10 Tanks (5)	VOC	5564.43	
Annual Emission Cap	All Tanks (6)	VOC		1199.96

- (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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 NO_x - nitrogen oxides
 CO - carbon monoxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Hourly emissions cap covers simultaneous re-filling of tanks pursuant to Special Condition No.17.
- (6) Annual emissions cap for tanks covers routine emissions, tank roof landings and de-gassing.
- (7) Pit 9 Tank Flare, Pit 9 fugitives, and Pit 8 and Pit 9 storage tanks (19 total storage tanks) are included by reference and authorized under Permit by Rule Registration Number 79282.

* 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 or 8,760 Hrs/year

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

*** Hourly emission rate for each flare.

Dated December 12, 2006