

EMISSION SOURCES – MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 21356

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.

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY
T541	IFR Tank T541 (4)	VOC	5.76	20.94
		BZ	2.25	4.54
T542	IFR Tank T542 (4)	VOC	5.76	20.94
		BZ	2.25	4.54
T543	IFR Tank T543 (4)	VOC	5.76	20.94
		BZ	2.25	4.54
T549	IFR Tank T549 (4)	VOC	5.79	21.26
		BZ	2.24	4.70
T551	IFR Tank T551 (4)	VOC	5.79	21.26
		BZ	2.24	4.70
T552	IFR Tank T552 (4)	VOC	5.79	21.26
		BZ	2.24	4.70
T553	IFR Tank T553 (4)	VOC	5.76	20.94
		BZ	2.25	4.54
T554	IFR Tank T554 (4)	VOC	5.76	20.94
		BZ	2.25	4.54
T555	IFR Tank T555 (4)	VOC	5.76	20.94
		BZ	2.25	4.54

T556	IFR Tank T556 (4)	VOC	5.76	20.94
		BZ	2.25	4.54
T557	IFR Tank T557 (4)	VOC	5.76	20.94
		BZ	2.25	4.54
T558	IFR Tank T558 (4)	VOC	5.76	20.94
		BZ	2.25	4.54
T579	IFR Tank T579 (4)	VOC	5.76	20.94
		BZ	2.25	4.54
T580	IFR Tank T580 (4)	VOC	5.76	20.94
		BZ	2.25	4.54
T581	IFR Tank T581 (4)	VOC	5.76	20.94
		BZ	2.25	4.54
T582	IFR Tank T582 (4)	VOC	5.76	20.94
		BZ	2.25	4.54
T583	IFR Tank T583 (4)	VOC	5.76	20.94
		BZ	2.25	4.54
T584	IFR Tank T584 (4)	VOC	5.76	20.94
		BZ	2.25	4.54
T585	IFR Tank T585 (4)	VOC	5.76	20.94
		BZ	2.25	4.54
T586	IFR Tank T586 (4)	VOC	5.76	20.94
		BZ	2.25	4.54
T587	IFR Tank T587 (4)	VOC	5.76	20.94
		BZ	2.25	4.54

T588	IFR Tank T588 (4)	VOC	5.76	20.94
		BZ	2.25	4.54
T589	IFR Tank T589 (4)	VOC	5.76	20.94
		BZ	2.25	4.54
T5100	IFR Tank T5100 (4)	VOC	5.76	20.94
		BZ	2.25	4.54
T5101	IFR Tank T5101 (4)	VOC	5.76	20.94
		BZ	2.25	4.54
T5102	IFR Tank T5102 (4)	VOC	5.76	20.94
		BZ	2.25	4.54
T5103	IFR Tank T5103 (4)	VOC	5.76	20.94
		BZ	2.25	4.54
T5104	IFR Tank T5104 (4)	VOC	5.76	20.94
		BZ	2.25	4.54
T5105	IFR Tank T5105 (4)	VOC	5.76	20.94
		BZ	2.25	4.54
T5106	IFR Tank T5106 (4)	VOC	5.76	20.94
		BZ	2.25	4.54
T5107	IFR Tank T5107 (4)	VOC	5.76	20.94
		BZ	2.25	4.54
T5108	IFR Tank T5108 (4)	VOC	5.76	20.94
		BZ	2.25	4.54
T512	FR Tank T512 (4)	VOC	484.57	95.74
		BZ	0.15	0.04

T520	FR Tank T520 (4)	VOC	484.57	95.74
		BZ	0.15	0.04
T546	FR Tank T546 (4)	VOC	484.57	95.74
		BZ	0.15	0.04
T550	FR Tank T550 (4)	VOC	484.57	95.74
		BZ	0.15	0.04
T590	FR Tank T590 (4)	VOC	33.17	4.74
T591	FR Tank T591 (4)	VOC	33.17	4.74
T592	FR Tank T592 (4)	VOC	33.17	4.74
T593	FR Tank T593 (4)	VOC	33.17	4.74
T595	FR Tank T595 (4)	VOC	33.17	4.74
T596	FR Tank T596 (4)	VOC	33.17	4.74
T597	FR Tank T597 (4)	VOC	33.17	4.74
T598	FR Tank T598 (4)	VOC	33.17	4.74
T599	FR Tank T599 (4)	VOC	33.17	4.74
	Hourly and Annual Tank Group 1 Compliance Caps	VOC	2,421.22 (5)	546.26 (5)
		BZ	29.97 (5)	14.38 (5)
100-26	IFR Tank 100-26	VOC	7.36	8.12
		BZ	0.37	0.22
100-27	IFR Tank 100-27	VOC	7.36	8.12
		BZ	0.37	0.22
100-30	IFR Tank 100-30 (4)	VOC	7.55	7.96
		BZ	0.38	0.26
100-31	IFR Tank 100-31 (4)	VOC	7.55	7.96
		BZ	0.38	0.26

150-1	IFR Tank 150-1 (4)	VOC	6.13	9.40
		BZ	0.31	0.30
150-2	IFR Tank 150-2 (4)	VOC	6.13	9.40
		BZ	0.31	0.30
150-3	IFR Tank 150-3 (4)	VOC	6.13	9.40
		BZ	0.31	0.30
150-4	IFR Tank 150-4 (4)	VOC	6.37	10.06
		BZ	0.32	0.28
150-5	IFR Tank 150-5 (4)	VOC	6.37	10.06
		BZ	0.32	0.28
150-13	IFR Tank 150-13 (4)	VOC	6.43	10.58
		BZ	0.32	0.34
150-14	IFR Tank 150-14 (4)	VOC	6.43	10.58
		BZ	0.32	0.34
150-15	IFR Tank 150-15 (4)	VOC	6.43	10.58
		BZ	0.32	0.34
	Hourly and Annual MSS Compliance Caps (6) (7)	VOC	1,959.94	174.00
		BZ	8.35	6.56
	Hourly and Annual Tank Group 2 Compliance Caps (6)	VOC (5)	2,028.35	230.11
		BZ (5)	12.38	8.28
DKFUG	Dock Area Fugitives (4)	VOC	0.34	2.92
		BZ	0.34	2.80
FUG2	No. 2 Station Fugitives (4)	VOC	0.13	1.08
		BZ	0.11	0.92

FUG3	No. 3 Station Fugitives (4)	VOC	0.05	0.36
		BZ	0.01	0.10
FUG4	No. 4 Station Fugitives (4)	VOC	0.04	0.28
		BZ	0.01	0.10
FUG5	No. 5 Station Fugitives (4)	VOC	0.37	3.18
		BZ	0.37	3.18
FUG6	No. 6 Station Fugitives (4)	VOC	0.05	0.40
		BZ	0.05	0.40
FUG7	BC Manifold Fugitives (4)	VOC	0.04	0.34
		BZ	0.01	0.01
FUG8	Clean 44 Junction Fugitives (4)	VOC	0.16	1.36
		BZ	0.16	1.36
METERSTAT1	Crude Oil Meter Station (4) Fugitives	VOC	0.12	1.02
		BZ	0.12	1.02
	Hourly and Annual Fugitives Group 1 Compliance Caps	VOC	1.30 (5)	10.94 (5)
		BZ	1.16	0.71
FUG11	No. 8 Station Fugitives (4)	VOC	0.40	3.54
		BZ	0.01	0.36
FUG13	No. 10 Station Fugitives (4)	VOC	0.60	5.26
		BZ	0.16	0.54
DKFUG	Dock Loading Arms Expansion (4)	VOC	0.18	1.58
		BZ	0.12	0.16
	Hourly and Annual Fugitives Group 2 Compliance Caps	VOC	1.18 (5)	5.19 (5)
		BZ	0.12	0.53

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NVESSEL1	North Dock Marine Loading (4)	VOC	109.77	36.12
		BZ	0.05	0.14
SVESSEL1	South Dock Marine Loading (4)	VOC	109.77	36.12
		BZ	0.05	0.14
	Uncontrolled Marine Loading Compliance Caps	VOC	219.54 (5)	36.12 (5)
		BZ	0.10	0.14
VC-1	Vapor Combustor 1	VOC	4.55	1.34
		BZ	0.18	0.07
		NO _x	12.75	9.75
		CO	25.49	19.48

- (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 - total oxides of nitrogen
 CO - carbon monoxide
 BZ - benzene
- (4) Emission sources included in VOC and BZ hourly and annual compliance caps.
- (5) Hourly and annual compliance caps for VOC include the respective BZ hourly and annual compliance caps.
- (6) Hourly and Annual MSS Compliance Caps for MSS emissions from all IFR tanks in this permit included in Hourly and Annual Tank Group 2 Compliance Caps.
- (7) Portable flare (EPN PORTFLARE) VOC and BZ hourly and annual emission rates included in Hourly and Annual MSS Compliance Caps.

* 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: January 13, 2012