

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 46396

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**
22TANK0516	Tank 516	VOC	0.04	0.02
22TANK0524	Tank 524	VOC	2.95	5.75
22TANK0526	Tank 526	VOC	0.17	0.67
22TANK0537	Tank 537	VOC	0.05	0.02
22TANK0543	Tank 543	VOC	0.17	0.63
22TANK0588	Tank 588	VOC	0.09	0.18
22TANK0591	Tank 591	VOC	0.11	0.37
22TANK0597	Tank 597	VOC	3.44	3.85
22TANK0598	Tank 598	VOC	3.44	3.85
22TANK0599	Tank 599	VOC	0.09	0.24
22TANK0909	Tank 909	VOC	0.17	0.63
22TANK0917	Tank 917	VOC	2.92	5.69
22TANK0918	Tank 918	VOC	2.92	5.69
22TANK0919	Tank 919	VOC	2.06	3.48
22TANK0920	Tank 920	VOC	2.05	3.70
22TANK0934	Tank 934	VOC	2.15	4.14

EMISSIONS FROM SOURCE SUMMATION MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
22TANK0938	Tank 938	VOC	2.05	3.51
22TANK0939	Tank 939	VOC	1.95	3.27
45DOCKALDG	Dock A Loading Losses (7)	VOC	29.76	3.41
45DOCKBLDG	Dock B Loading Losses (7)	VOC	29.76	3.41
45DOCKAFUG	Dock A Fugitives (4), (7)	VOC	0.27	1.20
45DOCKBFUG	Dock B Fugitives (4), (7)	VOC	0.27	1.20
22OSFTKFUG	Piping Fugitives (4)	VOC	1.28	5.58
45DOCKSFLR	Dock Flare 1 (8)	VOC	2.97	3.62
		NO _x	3.35	2.37
		CO	16.44	19.83
45DOCKSFLR	Dock Flare 1 (9)	VOC	5.82	3.12
		NO _x	10.08	4.69
		CO	15.42	12.45
		SO ₂ 0.14	0.02	
45DOCKFLR2	Dock Flare 2	VOC	11.63	(5)
		NO _x	19.51	(5)
		CO	29.84	(5)
		SO ₂ 0.16	(5)	
45DOCK1LDG	Dock 1 Loading Losses	VOC	29.69	6.52
45DOCK3LDG	Dock 3 Loading Losses	VOC	29.69	(6)
45DOCK1FUG	Dock 1 Equipment Fugitives (4)	VOC	1.57	6.87
45DOCK3FUG	Dock 3 Equipment Fugitives (4)	VOC	1.57	6.87
22TK926FLR	Tank 926 Flare	VOC	0.06	0.24

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
		NO _x 0.38	1.66	
		CO 0.69	2.74	
50BZTNKFLR	Benzene Tank Flare	VOC	0.07	0.72
		NO _x 0.58	5.22	
		CO 0.56	7.32	

- (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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 NO_x - total oxides of nitrogen
 CO - carbon monoxide
 SO₂ - sulfur dioxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Annual emission rates shown with 45DOCKSFLR are the summed emission cap for 45DOCKSFLR and 45DOCKFLR2.
- (6) Annual emission rates shown with 45DOCK1LDG are the summed emission cap for 45DOCK1LDG and 45DOCK3LDG.
- (7) Emission limits are valid for Dock A and B prior to removing them from service. At no time shall Docks A and B be operated while Dock 3 is in operation.
- (8) These emission limits for 45DOCKSFLR are for the period before changing the supplemental fuel to natural gas.
- (9) These emissions limits for 45DOCKSFLR are for the period after changing the supplemental fuel to natural gas.

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

_____Hrs/day ____Days/week ____Weeks/year or 8,760 Hrs/year

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

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Page 4

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Emission	Source	Air Contaminant	<u>Emission Rates *</u>	
Point No. (1)	Name (2)	Name (3)	<u>lb/hr</u>	<u>TPY**</u>
Dated			<u>January 22, 2004</u>	