

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 8865

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
Bay 1 through 9, 11 12, 14, 18, 19	14.64	Storage Tanks	VOC	647.30
TRL 1, 2, 2a, 3 through 9, 14, 18, 19	0.35	Tank Truck Loading	VOC	103.00
RCL A-H	Railcar Loading	VOC	103.00	1.40
Wharf 1 - 3 Barge 1 - 3	Ship and Barge Loading	VOC	432.00	5.73
SB-1	Boiler	NO <sub>x</sub>	4.80	21.00
		VOC	0.11	0.49
		CO	1.40	6.10
		SO <sub>2</sub>	0.57	2.50
		PM <sub>10</sub>	0.55	2.40
SB-3	Boiler	NO <sub>x</sub>	1.10	4.60
		VOC	0.04	0.19
		CO	0.40	1.80
		SO <sub>2</sub>	0.14	0.63
		PM <sub>10</sub>	0.01	0.05
FL-1	Flare	VOC	99.10	9.06
		NO <sub>x</sub>	37.20	1.70
		CO	21.50	11.80

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
		ETO	0.10	<0.01
		HCl or HBr	20.00	6.00
		SO <sub>2</sub>	1.00	4.40
FL-2	Flare	VOC	38.10	1.61
		NO <sub>x</sub>	14.10	0.80
		CO	8.30	4.50
		HCl or HBr	20.00	6.00
		SO <sub>2</sub>	1.00	4.40
FL-3	Flare	VOC	38.40	2.50
		NO <sub>x</sub>	10.60	0.77
		CO	21.20	1.50
		SO <sub>2</sub>	<0.01	0.012
FL-4	Flare	VOC	51.00	3.30
		NO <sub>x</sub>	6.10	0.51
		CO	12.20	1.00
		SO <sub>2</sub>	<0.01	0.012
T0-1	Thermal Oxidizer	VOC	3.00	5.50
		NO <sub>x</sub>	105.00	195.40
		CO	30.00	55.20
		SO <sub>2</sub>	20.00	24.00
		PM <sub>10</sub>	3.00	5.50
		HCl or HBr	20.00	24.90
FU-1	Equipment Leak Fugitives (4) 11.47	VOC		3.69
FU-2	Line Clearing Fugitives 0.18	VOC		4.50
FU-3	Hose Clearing Fugitives	VOC		0.35

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			lb/hr	TPY
	0.04			
MCFU-1	Methyl Chloride Fugitives (4) 0.18	VOC		0.07
ACETFUG	Acetaldehyde Fugitives (4) 0.41	VOC		0.09
F-1	Fuel Oil Storage	VOC	7.10	0.24
T-1	Transfer	Freon-113	368.00	7.50
T-2	Transfer	PDCB	<0.01	<0.01
T-3	Transfer	Freon-11	3.00	0.57
T-4	Transfer	alkyl benzene	0.30	0.60
AB-1	Purge Gas Absorbers	VOC	<0.01	<0.01
AB-2	Transfer Absorbers	VOC	21.20	0.53

(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<sub>x</sub> - total oxides of nitrogen

CO - carbon monoxide

SO<sub>2</sub> - sulfur dioxide

PM<sub>10</sub> - particulate matter less than 10 microns in diameter

ETO - ethylene oxide

HCl - hydrogen chloride

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

HBr - hydrogen bromide

PDCB - paradichlorobenzene

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

\* 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

Dated \_\_\_\_\_