

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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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	Source	Air Contaminant	<u>Emission Rates*</u>	
Point No. (1)	Name (2)	Name (3)	#/hr	TPY
300-1	Tank			VOC 4.10
300-2	Tank			VOC 4.30
300-3	Tank			VOC 2.50
300-4	Tank			VOC 3.60
80-7 Tank		VOC	1.80	
300-21	Tank			VOC 4.00
300-22	Tank			VOC 4.50
C80-1	Tank			VOC 9.30
C80-2	Tank			VOC 0.20
C80-3	Tank			VOC 9.30
C80-4	Tank			VOC 9.30
B30-9	Tank			VOC 1.50
B30-10	Tank			VOC 0.10
B30-11	Tank			VOC 4.50
B30-12	Tank			VOC 4.50
B30-13	Tank			VOC 1.10
S-1	Boiler			VOC 0.10 0.40
				NOx 0.40 1.90
				CO 0.10 0.50



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Emission	Source	Air Contaminant	<u>Emission Rates*</u>	
Point No. (1)	Name (2)	Name (3)	#/hr	TPY
S-4	Boiler	VOC	0.10	0.60
		NOx	15.50	67.70
		CO	4.00	17.60
		SO2	0.06	0.30
		PM	0.50	17.60
S-5	Flare	VOC		11.70
S-6	Flare	VOC	3.00	8.20
		NOx	0.20	0.50
		CO	1.50	4.20
F-1	Fugitives (4)	VOC		12.70
150-40, 150-41, 150-42, 80-43, 80-44, 80-45, 80-46, 27-14, 27-15	Tanks**	VOC		22.85
		BZ		0.76
150-40	Tank	VOC	2.29	
			0.10	
150-41	Tank	VOC	2.29	
		BZ	0.10	
150-42	Tank	VOC	2.29	
		BZ	0.10	
80-43	Tank	VOC	2.27	
		BZ	0.10	
80-44	Tank	VOC	2.27	
		BZ	0.10	

80-45	Tank	VOC	2.27
		BZ	0.10

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates*	
			#/hr	TPY
80-46	Tank	VOC	2.27	
		BZ	0.10	
27-14	Tank	VOC	1.60	
		BZ	0.07	
27-15	Tank	VOC	1.60	
		BZ	0.07	
FUG D	Manifold Fugitives (4)	VOC	0.67	2.93
		BZ	0.03	0.13
100-47	Tank	VOC	2.12	2.66
		BZ	0.09	0.09
100-48	Tank	VOC	2.12	2.66
		BZ	0.09	0.09
100-49	Tank	VOC	2.12	2.66
		BZ	0.09	0.09
80-12	Tank	VOC	2.22	2.48
		BZ	0.09	0.08
FUG 100	Component Fugitives (4)	VOC	0.06	0.26
		BZ	<0.01	<0.01

MLF-1	Flare	VOC	90.01	36.00
		BZ	3.83	1.22
		NOx	11.42	4.06
		CO	45.38	16.13
SD-1, SD-4, SD-5, BD-B and BD-D	Dock Fugitives (4) ***	VOC		103.00
		BZ		3.48
SD-1 Ship Dock 1	VOC Fugitives (4)	237.55		
		BZ	6.76	
SD-4 Ship Dock 4	VOC Fugitives (4)	823.20		
		BZ	11.64	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates*</u>	
			#/hr	TPY
SD-5 Ship Dock 5	VOC Fugitives (4)		823.20	
			BZ	11.64
BD-B	Barge Dock B Fugitives (4)		VOC	191.84
			BZ	4.56
BD-D	Barge Dock D Fugitives (4)		VOC	212.20

- (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  
 BZ - benzene  
 NOx - total oxides of nitrogen  
 CO - carbon monoxide  
 PM - particulate matter  
 SO2 - sulfur dioxide

(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 Hrs/year 8,760

\*\* The combined annual emission rate for these tanks shall not exceed 22.85 TPY of VOC and 0.76 TPY of BZ.

\*\*\* The combined annual emission rate for the loading docks shall not exceed 103.0 TPY VOC and 3.48 TPY of BZ.

Revised\_\_\_\_\_

