

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

5631

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)	<u>Emission Rates*</u>	
			lb/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
S-4	Boiler	VOC	0.14	0.61

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Emission	Source	Air Contaminant	Emission Rates*		
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY	
			NOx	15.45	67.67
			CO	4.01	17.55
			SO2	0.06	0.26
			PM	0.50	2.19
S-5	Flare		VOC		11.70
S-6	Flare		VOC	3.00	8.20
			NOx	0.20	0.50
			CO	1.50	4.20
S-7	IBW Gas-Fired Boiler 73.4 MMBtu		VOC	0.32	1.42
			NOx	3.67	16.08
			CO	2.79	12.22
			SO2	0.04	0.19
			PM	0.37	1.61
S-8	IBW Gas-Fired Boiler 73.4 MMBtu		VOC	0.32	1.42
			NOx	3.67	16.08
			CO	2.79	12.22
			SO2	0.04	0.19
			PM	0.37	1.61
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	

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			lb/hr	TPY
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	
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

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates*	
			lb/hr	TPY
			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		237.55	
	Fugitives (4)		BZ	6.76
SD-4 Ship Dock 4	VOC		823.20	
	Fugitives (4)		BZ	11.64
SD-5 Ship Dock 5	VOC		823.20	
	Fugitives (4)		BZ	11.64
BD-B	Barge Dock B		VOC	191.84
	Fugitives (4)		BZ	4.56
BD-D	Barge Dock D		VOC	212.20
	Fugitives (4)			
500	*Gas Turbine		NOx	8.5
	(Allison 501-KB)		CO	6.2
			SO2	.02
			VOC	.22
			PM	.18
				.80

- (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.

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			lb/hr	TPY

* 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_____

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			lb/hr	TPY