

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 3178

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				
TID-313	Storage Tank	VOC	0.88	2.34
		Benzene (5)	0.52	1.36
TID-314	Storage Tank	VOC	0.58	1.55
		Benzene (5)	0.35	0.90
TID-352	Storage Tank (6)	VOC	0.94	2.26
		Benzene	0.18	0.43
TID-352	Storage Tank (7)	VOC	0.74	1.79
		Benzene	0.14	0.34
TID-361	Storage Tank	Benzene	0.36	1.00
TID-370	Storage Tank (6)	Benzene	0.65	1.63
TID-370	Storage Tank (7)	Benzene	0.48	1.18
TID-371	Storage Tank (6)	Benzene	0.65	1.63
TID-371	Storage Tank (7)	Benzene	0.48	1.18
TID-379	Storage Tank (6)	VOC	1.96	4.33
		Benzene (5)	0.34	0.75
TID-379	Storage Tank (7)	VOC	1.40	3.18
		Benzene (5)	0.24	0.55
F-356	Storage Tank	VOC	0.03	0.06

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	
<u>TPY</u>				
D-365	Storage Tank	VOC	0.03	0.02
D-369	Storage Tank	VOC	0.03	0.02
CWT9	Cooling Tower (4)	VOC	0.03	0.11
		HCl	<0.001	<0.001
		Zinc	0.02	0.06
EP-Flare	Flare (10)	Benzene	0.29	1.26
		Toluene	<0.01	<0.01
		NO _x	0.02	0.08
		CO	0.10	0.41
		Xylene	<0.01	<0.01
		SO ₂	<0.01	<0.01
		PM	<0.01	0.02
FEFUG-BEU	Fugitives (4)(8)	VOC	3.88	17.00
		Benzene (5)	1.30	5.65
		Cyclohexane (5)	0.08	0.34
		Ethylbenzene (5)	0.04	0.19
		Xylene (5)	0.06	0.27
		Toluene (5)	0.21	0.97
FEFUG-BEU	Fugitives (4)(9)	VOC	2.22	9.72
		Benzene (5)	0.74	3.23
		Cyclohexane (5)	0.04	0.19
		Ethylbenzene (5)	0.02	0.10
		Xylene (5)	0.04	0.16
		Toluene (5)	0.13	0.56

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- (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_x - total oxides of nitrogen
SO₂ - sulfur dioxide
HCl - hydrogen chloride
CO - carbon monoxide
PM - total suspended particulate matter
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Speciated emissions are included in total VOC emission rates.
- (6) Emission allowable rates prior to floating roof seal upgrade.
- (7) Emission allowable rates effective after floating roof seal upgrade.
- (8) Fugitive emissions prior to pump seal upgrade.
- (9) Fugitive emissions after pump seal upgrade.
- (10) Represents contributions from the benzene extraction unit only.

* 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 _____