

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 17392

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 **
SW-1	Flare	VOC	0.50	0.06
		NO <sub>x</sub>	0.32	0.93
		HCN	0.58	1.81
		NH <sub>3</sub>	0.06	0.04
		CO	1.14	3.87
		SO <sub>2</sub>	0.01	0.01
SW-6	Tank 90069 (Din/D-lim)	VOC (10, 11)	0.88	0.01
SW-7	Tank 90070 (DIB)	VOC (9)	8.53	0.72
SW-8	Tank 12065 (Weigh Tank)	VOC (9, 10, 11)	1.60	0.23
SW-10	Tank 91346 (81-R)	VOC (8)	1.47	0.23
SW-12	Tank 12122 (Aqua NH <sub>3</sub> )	Ammonium Hydroxide	9.28	0.97
SW-13	Tank 91009 (Pro-Tet)	VOC (12)	10.80	1.25
SW-14	Tank 90480 (Pro-Tet)	VOC (12)	10.80	1.25
SW-16	Tank 12126 (Aqua Salt)	NH <sub>3</sub>	1.36	0.30
		Ammonium Sulfate	0.34	0.07
SW-17	Tank 90022 (Crude 81-R)	VOC (8)	1.35	0.17
SW-22	Tank 91007 (Crude 81-R)	VOC (8)	1.44	0.18
SW-27	Fugitives (4)	VOC	0.53	2.31
		HCN	0.22	0.95
		NH <sub>3</sub>	0.10	0.42

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			<u>lb/hr</u>	<u>TPY **</u>
SW-28	Tank 12223 (Dist. TOA)	VOC (6)	1.33	0.06
SW-29	Drumming Station 0.18	VOC (5, 6, 7, 8, 13)		3.57
SW-30	Loading Emissions 0.30	VOC (5, 6, 7, 8, 13)		0.95
SW-34	1,000 Gallon Vacuum Jet	VOC (8)	2.93	0.68
SW-35	3,000 Gallon Vacuum Jet	VOC (8)	1.17	4.68
SW-36	Tank 91010 (Distilled 81-R)	VOC (8)	1.47	0.24
SW-38	Hot Well	VOC (8)	0.01	0.01

- (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 area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1  
 NO<sub>x</sub> - total oxides of nitrogen  
 SO<sub>2</sub> - sulfur dioxide  
 CO - carbon monoxide  
 HCN - hydrogen cyanide  
 NH<sub>3</sub> - anhydrous ammonia
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) MD - methane diamine
- (6) TOA - t-octylamine
- (7) JMT - t-alkyl primary amines
- (8) 81-R - t-alkyl amines (C12-C14)
- (9) DIB - di-isobutylene
- (10) Dinonene
- (11) D-limonene
- (12) Propylene tetramer

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(13) Aromatic 150

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

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

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

Dated \_\_\_\_\_