

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 19797

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>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
A	Flare	VOC	1.33	0.60
		Acetone	0.30	0.05
		MeCl	0.03	<0.01
		HCl	1.13	0.11
		CO	1.77	4.38
		NO <sub>x</sub>	0.35	0.86
C	Flare	Acetylene	0.75	0.34
		CO	1.52	6.60
		NO <sub>x</sub>	0.35	1.50
COOL-01	Cooling Tower	VOC	0.02	0.07
		MeCl	<0.01	<0.01
		Acetone	0.02	0.07
H	Scrubber	VOC	<0.01	<0.01
		HCl	0.58	0.02
TF1	MeCl Tank Adsorber	MeCl	0.40	0.07
TF4	HCl Tank Scrubber	HCl	0.68	<0.01
TF5	Acetic Acid Tank Scrubber	VOC	0.06	0.26
TF8	Methanol Tank	VOC	30.83	0.28
TF9	Storage Tank	VOC	20.21	0.80
TF10	Storage Tank	VOC	22.18	0.10
		MeCl	9.06	0.25

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
TF12	Acetone Tank Scrubber	Acetone	1.60	0.50
FUG-BETA	Fugitives (4)	VOC	2.77	12.14
		MeCl	1.19	3.13
		NH <sub>3</sub>	0.05	0.14
P1	Filter	PM	<0.01	<0.01
P3	Filter	PM	<0.01	<0.01
P4	Scrubber	PM	<0.01	<0.01
P5	Filter	PM	<0.01	<0.01
		MeCl	<0.01	<0.01
WWTP-01	Wastewater Treatment Plant	VOC	2.00	5.00
		MeCl	0.10	0.40
		Acetone	0.01	0.03

(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) PM - particulate matter

VOC - volatile organic compounds as defined in Title 30 Texas

Administrative Code § 101.1

NO<sub>x</sub> - total oxides of nitrogen

CO - carbon monoxide

MeCl - methylene chloride

NH<sub>3</sub> - ammonia

HCl - hydrogen chloride

(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

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

following maximum operating schedule:

Hrs/day \_\_\_\_\_ Days/week \_\_\_\_\_ Weeks/year \_\_\_\_\_ or Hrs/year 8,760

Dated \_\_\_\_\_