

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 1302

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
PP-2	Start-Up Flare	VOC	501.76	24.56
		CO	475.58	29.41
		NO <sub>x</sub>	119.84	4.90
		NH <sub>3</sub>	88.44	5.24
PP-3	Operating Flare	VOC	24.00	29.70
		CO	171.22	74.12
		NO	19.97	3.28
PP-10	Scrubber	HCl	0.56	<0.01
PP-29	Scrubber	HCl	0.60	0.04
PP-32A	Tank	VOC	0.06	0.15
PP-32B	Tank	VOC	1.20	4.10
PP-32J	Tank	VOC	0.12	0.16
PP-32K	Tank	VOC	0.03	<0.01
PP-32L	Tank	INORGANIC	<0.01	<0.01
PP-32P	Tank	VOC	0.01	0.04
PP-32R	Tank	VOC	0.01	0.02
PP-32S	Tank	VOC	0.01	0.02

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY</u>
PP-32T	Tank	VOC	0.01	0.05
PP-32X	Tank	VOC	0.77	0.75
PP-32Y	Tank	VOC	0.77	2.36
PP-32Z	Tank	VOC	<0.01	0.02
PP-32AC	Tank	VOC	0.02	<0.01
PP-39	Incinerator	VOC	0.20	0.12
		CO	0.10	0.50
		NO <sub>x</sub>	25.00	8.75
PP-55	Fugitive (4)	VOC	2.97	12.99
		INORGANIC	0.14	0.61
PP-56	Fugitive (4)	VOC	1.46	6.41
PP-57	Fugitive (4)	VOC	1.06	4.63
		INORGANIC	0.03	0.11
PP-59A	Tank	VOC	4.36	3.43
PP-59B	Tank	VOC	1.28	4.10
PP-61	Absorber	VOC	2.90	1.17
PP-62A	Ammonia Flare	VOC	0.27	0.02
		CO	0.08	<0.01
		NO <sub>x</sub>	54.84	3.30
		NH <sub>3</sub>	40.50	2.43

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY</u>
PP-70A	Scrubber	INORGANIC	<0.01	<0.01
PP-70B	Scrubber	INORGANIC	<0.01	<0.01
PP-70C	H2O Seal	VOC	0.01	<0.01
PP-70D	H2O Seal	VOC	0.01	<0.01
PP-74	Fugitive (4)	VOC	1.72	7.55
PP-78	Fugitive (4)	VOC	4.82	21.11
		INORGANIC	0.15	0.66
PP-82	Dust Collector	VOC	<0.01	<0.01
PP-90	Unloading Spot	VOC	<0.01	<0.01
PP-91	Unloading Spot	VOC	15.00	0.72
PP-96A	Tank	VOC	<0.01	<0.01
PP-106A	Tank	VOC	0.17	0.03
PP-108B	Tank	VOC	0.36	0.34
PP-108C	Tank	VOC	0.23	0.47
PP-108D	Tank	VOC	0.23	0.09

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY</u>
PP-108E	Tank	VOC	0.01	0.03
PP-108F	Tank	VOC	0.42	0.68
PP-108G	Tank	VOC	0.26	0.13
PP-108H	Tank	VOC	0.23	0.48
PP-108I	Tank	VOC	0.42	0.68
PP-108J	Tank	VOC	0.28	2.61
PP-112	Unloading Spot	VOC	0.20	<0.01
PP-113	HCN Loading Flare	VOC	18.00	2.40
		NO <sub>x</sub>	0.74	0.24
		CO	6.37	2.09
PP-130A	Tank	VOC	<0.01	0.01
PP-130B	Tank	VOC	<0.01	0.01
PP-130C	Tank	VOC	<0.01	0.01
PP-130D	Tank	INORGANIC	<0.01	0.01
PP-130E	Tank	INORGANIC	<0.01	<0.01
PP-131C	Tank	VOC	3.46	0.77

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY</u>
PP-131D	Tank	VOC	3.46	0.77
PP-131E	Tank	VOC	<0.01	<0.01
PP-131F	Tank	VOC	3.50	0.77
PP-131G	Tank	VOC	3.50	0.77
PP-133B	Tank	VOC	<0.01	<0.01
PP-139	Loading Spot	VOC	<0.01	<0.01
PP-140	Unloading Spot	INORGANIC	<0.01	<0.01
PP-141	Loading Spot	VOC	<0.01	<0.01
PP-144	Fugitive (4)	VOC	0.57	2.51
		NH <sub>3</sub>	0.97	4.26
PP-145	Fugitive (4)	VOC	0.21	0.90
PP-146	Fugitive (4)	VOC	0.98	4.29
PP-147	Fugitive (4)	VOC	0.60	2.63
PP-149	Fugitive (4)	VOC	0.11	0.49
PP-150	Fugitive (4)	VOC	0.14	0.59
PP-160	Fugitive (4)	VOC	0.89	3.88

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY</u>
PP-171	Carbon Filter	VOC	<0.01	<0.01
PP-173	Fugitive (4)	VOC	0.04	0.15
PP-174	Fugitive (4)	INORGANIC	0.08	0.32

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (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 Title 30 Texas Administrative Code § 101.1  
NO<sub>x</sub> - total oxides of nitrogen  
CO - carbon monoxide  
HCl - hydrogen chloride  
NH<sub>3</sub> - ammonia
- (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

Dated March 16, 2004