

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 20772

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**
B-406A	Boiler No. 1 (16.8 MMBtu/hr)	VOC	<0.10	0.43
		NO _x	1.79	7.86
		SO ₂	<0.10	<0.10
		PM ₁₀ 0.14	0.60	
		CO	1.51	6.60
B-406B	Boiler No. 2 (16.8 MMBtu/hr)	VOC	<0.10	0.43
		NO _x	1.79	7.86
		SO ₂	<0.10	<0.10
		PM ₁₀ 0.14	0.60	
		CO	1.51	6.60
BG-1	Barge Loading	VOC	74.44	1.55
DR-001	Drumfill	VOC	15.71	2.18
F-1	Flare	VOC	95.90	19.22
		NO _x	5.89	4.77
		SO ₂ 38.31	8.54	
		CO	30.02	24.28
		HCl 21.85	0.49	
FU-70-80TK	70-80 Series Tank Fugitives (4)	VOC	0.35	1.54
FU-1000TKS	1,000 Series Tank Fugitives (4)	VOC	0.48	2.10
FU-1400TKS	1,400 Series Tank Fugitives (4)	VOC	0.02	0.10
FU-2000TKS	2,000 Series Tank Fugitives (4)	VOC	0.04	0.17

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
FU-DOCK	Barge Dock Fugitives (4)	VOC	0.24	0.58
FU-FLARE	Flare Fugitives (4)	VOC	0.04	0.18
FU-LOADING	Truck and Rail Fugitives (4)	VOC	0.29	1.28
FU-PROCESS	Process Area Fugitives (4)	VOC	2.99	13.08
FU-UTILITIES	Utilities Area Fugitives (4)	VOC	0.01	0.05
H-500	Crude Oil Heater (6 MMBtu/hr)	VOC	<0.10	0.15
		NO _x	1.32	3.00
		SO ₂	<0.10	<0.10
		PM ₁₀	0.21	
		CO	0.54	2.36
H-9100A	Heater No. 1 (22.0 MMBtu/hr)	VOC	0.13	0.57
		NO _x	2.35	10.29
		SO ₂	<0.10	<0.10
		PM ₁₀	0.18	0.78
		CO	1.97	8.65
H-9100B	Heater No. 2 (22.0 MMBtu/hr)	VOC	0.13	0.57
		NO _x	2.35	10.29
		SO ₂	<0.10	<0.10
		PM ₁₀	0.18	0.78
		CO	1.97	8.65
H-9100C	Heater No. 3 (29.6 MMBtu/hr)	VOC	0.17	0.76
		NO _x	3.16	13.85
		SO ₂	<0.10	
		PM ₁₀	0.24	1.05
		CO	2.66	11.64
M-9310	VOC Stripper and Thermal Oxidizer	VOC	0.40	1.02
		NO _x	0.20	0.66

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

		PM ₁₀	SO ₂	0.10	0.20
			<0.10	<0.10	
			CO	0.70	2.98
RR-01	Railcar Loading Rack RR-01	VOC	13.40	1.17	
RR-02	Railcar Loading Rack RR-02	VOC	1.75	0.58	
T-083	Storage Tank 83 (5)	VOC	0.30	0.97	
T-649	Storage Tank 649 (5)	VOC	0.16	0.10	
T-667	Storage Tank 667 (5)	VOC	0.24	0.27	
TT-01	Tank Truck Loading Rack TT-01	VOC	11.17	0.84	
TT-02	Tank Truck Loading Rack TT-02	VOC	2.91	0.38	
TT-04	Tank Truck Loading Rack TT-04	VOC	0.34	0.05	
TT-05	Tank Truck Loading Rack TT-05	VOC	1.50	0.05	
TT-06	Tank Truck Loading Rack TT-06	VOC	2.91	0.33	
TT-08	Tank Truck Loading Rack TT-08	VOC	11.17	0.43	
VRS-1	Barge Loading VRU	VOC	37.94	1.76	

(1) Emission point identification - either specific equipment designation or emission point number

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - PM - particulate matter, suspended in the atmosphere, including PM₁₀.
 - PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
 - CO - carbon monoxide
 - HCl - hydrogen chloride
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Emissions from tank vent if the tank has been fitted with an internal floating roof and the tank vent is no longer routed to the flare.

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

_____ Hrs/day _____ Days/week _____ Weeks/year or 8,760 Hrs/year

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

Dated July 10, 2003