

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 56469

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 **
TC and RAILDIST	Railcar Loading	VOC	19.97	9.71
TT	Truck Loading	VOC	12.26	1.73
VCU	Truck/Railcar Vapor Combustion Unit	VOC	58.87	17.74
		NO _x	15.04	4.56
		CO	59.89	18.17
RAILDISTFUG	Piping Component Fugitives - Railcar Loading (4)	VOC	0.03	0.11
B-1	Boiler	VOC	0.14	0.62
		NO _x	0.97	4.26
		CO	2.16	9.46
		SO ₂	0.02	0.07
		PM ₁₀	0.20	0.86
274-133W	500 Gallon Additive Tank	VOC	0.05	0.02
274-132	2,000 Gallon Additive Tank	VOC	0.20	0.07
274-136	2,000 Gallon Additive Tank	VOC	0.20	0.07
274-163W	2,000 Gallon Additive Tank	VOC	0.20	0.07
274-163M	1,000 Gallon Additive Tank	VOC	0.02	0.01
274-137	6,000 Gallon Additive Tank	VOC	0.01	0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
<u>TPY**</u>				
BDFUG	Piping Component Fugitives - Butadiene Service (4)	VOC	0.73	3.20
FLO	Butadiene Flare	VOC	46.30	4.94
		NO _x	7.60	0.90
		CO	15.17	1.79

- (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_x - total oxides of nitrogen
 CO - carbon monoxide
 SO₂ - sulfur dioxide
 PM₁₀ - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
- (4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.

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

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

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

Dated August 23, 2010