

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 4157A

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicants 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 Rates *	Source	Air Contaminant	<u>Emission</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY**
1-102	Primary Compressor Vent	VOC	0.10	0.22
1-103	Secondary Compressor Vent	VOC	0.50	2.19
1-128	Dryer A (5)	VOC		
1-129	Dryer B (5)	VOC		
1-132 - 147	Test Bins and Silos	PM VOC (5)	0.69	0.13
2-116	Product Bins	PM VOC (5)	0.03	0.12
	Combined Caps (5)	VOC	26.25	76.50
1-148 - 153	Additive Storage	PM	0.01	0.04
1-164	Hexane Tank	VOC	17.61	0.89
1-167	Flare	VOC	11.99	32.18
		NO _x	2.18	5.86
		CO	11.12	29.93
		SO ₂	0.01	0.01
	Flare Maintenance/Start-up and Shutdown	VOC	26.90	2.18
		NO _x	2.75	0.22
		CO	19.87	1.61
1-174	Polyethylene Wax Bin	VOC	6.03	1.02

1-175 Fugitives (4) VOC 6.26 27.42
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Emission Rates *	Source	Air Contaminant	<u>Emission</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	
	TPY**			
1-176	Pack-Out Filter	PM	0.09	0.38
1-177	Pack-Out Filter	PM	0.77	3.38
1-178	Hex Oil Loading	VOC	3.83	0.30
1-300	Cooling Tower	VOC	0.76	3.31
2-106	Steam Generator C	VOC	0.50	2.19
		PM	0.69	3.03
		NO _x	9.10	39.86
		SO ₂	0.05	0.24
		CO	7.64	33.48

- (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 an 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
- (4) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (5) Combined emission rates of EPNs 1-128, 1-129, 1-132 through 1-147, and 2-116.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule: 8,760 Hrs/year

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

Dated March 16, 2006