

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 46641

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**
102	Unifier Reactor Heater	VOC	0.21	0.91
		NO _x	3.78	16.60
		CO	3.17	13.90
		SO ₂	1.04	4.56
		PM	0.29	1.26
103	Unifier Stripper Heater	VOC	0.08	0.35
		NO _x	1.46	6.41
		CO	1.23	5.39
		SO ₂	0.40	1.76
		PM	0.11	0.49
82, 83, and 84	Platformer Reactor Heaters 1A, 1B, 1C, and 1D	VOC	1.39	6.10
		NO _x	12.62	55.28
		CO	21.23	92.93
		SO ₂	6.95	30.41
		PM	1.91	8.41
85	Platformer Stabilizer Heater	VOC	0.12	0.51
		NO _x	2.10	9.20
		CO	1.76	7.72
		SO ₂	0.58	2.53
		PM	0.16	0.70
638	Tank 925 (5)	VOC	2.13	4.99
639	Tank 926 (5)	VOC	2.13	4.96
724	Tank 1022	VOC	0.34	1.05

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY**
726	Tank 1024 (5)	VOC	4.02	10.35
166	Compressor No. 3 (5)	VOC	0.06	0.28
		NO _x 21.10	92.50	
		CO 0.65	2.84	
		SO ₂ 0.11	0.46	
144	Compressor No. 4 (5)	VOC	0.06	0.28
		NO _x 21.10	92.50	
		CO 0.65	2.84	
		SO ₂ 0.11	0.46	
145	Compressor No. 5 (5)	VOC	0.06	0.28
		NO _x 21.10	92.50	
		CO 0.65	2.84	
		SO ₂ 0.11	0.46	
146	Compressor No. 6 (5)	VOC	0.06	0.28
		NO _x 21.10	92.50	
		CO 0.65	2.84	
		SO ₂ 0.11	0.46	
F089	Cooling Tower 9 (4)	VOC	0.15	0.67
087	Catalyst Regenerator Vent	CO	0.22	0.97
F081	Platformer 4 Fugitives (4)	VOC	22.52	98.62

Post-Control Emission Rates (6)

638	Tank 925	VOC	1.99	4.66
639	Tank 926	VOC	1.99	4.62

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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>
726	Tank 1024	VOC	3.76	9.70
166	Compressor No. 3	VOC	0.97	4.24
		NO _x	1.94	8.49
		CO	2.91	12.70
		SO ₂	0.11	0.46
144	Compressor No. 4	VOC	0.97	4.24
		NO _x	1.94	8.49
		CO	2.91	12.70
		SO ₂	0.11	0.46
145	Compressor No. 5	VOC	0.97	4.24
		NO _x	1.94	8.49
		CO	2.91	12.70
		SO ₂	0.11	0.46
146	Compressor No. 6	VOC	0.97	4.24
		NO _x	1.94	8.49
		CO	2.91	12.70
		SO ₂	0.11	0.46

- (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
 CO - carbon monoxide
 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.
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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- (5) This emission rate is effective until the emission controls have been implemented as required by Special Condition No. 2.
- (6) Emission rates specified in this section are effective for each facility following the implementation of controls specified in Special Condition No. 2.

* 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 August 4, 2005