

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, sources, and related activities. 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	
			lbs/hour	TPY (4)
102	Unifier Reactor Heater	VOC	0.21	0.91
		NO _x	3.78	16.60
		SO ₂	1.04	4.56
		PM ₁₀	0.29	1.26
		CO	3.17	13.90
103	Unifier Stripper Heater	VOC	0.08	0.35
		NO _x	1.46	6.41
		SO ₂	0.40	1.76
		PM ₁₀	0.11	0.49
		CO	1.23	5.39
82, 83, 84	Platformer Reactor Heaters 1A, 1B, 1C, 1D	VOC	1.39	6.10
		NO _x	11.36	49.76
		SO ₂	6.98	30.41
		PM ₁₀	1.91	8.41
		CO	21.23	92.93
85	Platformer Stabilizer Heater	VOC	0.12	0.51
		NO _x	2.10	9.20
		SO ₂	0.58	2.53
		PM ₁₀	0.16	0.70

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		CO	1.76	7.72
638	Tank 925	VOC	1.99	4.66
639	Tank 926	VOC	1.99	4.66
726	Tank 1024	VOC	3.76	9.70
F089	Cooling Tower 9 (5)	VOC	0.15	0.67
087	Catalyst Regenerator Vent	CO	0.22	0.97
		HCl	0.024	0.11
		Cl ₂	0.17	0.72
F081	Platformer 4 Fugitives (5)	VOC	22.52	98.62
724	Tank 1022	VOC	4.66	14.68

- (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
 SO₂ - sulfur dioxide
 PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
 CO - carbon monoxide
 HCl - hydrogen chloride
 Cl₂ - chlorine
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: February 18, 2015