

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 45065

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)
Sf-1A/SF-1	Smokeless Flare (6)	NO _x	0.20	0.05
		CO	0.40	0.10
		VOC	0.04	0.01
PAC-1	Dilute HCl Tank	HCl	0.01	0.01
PAC-2	Filter Fan	VOC	0.19	0.17
PAC-3	Hopper Bagfilter	PM ₁₀	0.03	0.01
PAC-4	VOC/Mineral Oil Tank	VOC	0.05	0.01
PAC-5	Unloading Bagfilter	PM/PM ₁₀ /PM _{2.5}	0.09	0.03
PAC-6	Silo Bagfilter	PM/PM ₁₀ /PM _{2.5}	0.07	0.03
PAC-7	Scale Tank Bin/Bagfilter	PM/PM ₁₀ /PM _{2.5}	0.03	0.02
PAC-8	PAC Scrubber	HCl	0.03	0.04
PAC-9	High Pressure Flare	NO _x	2.66	5.76
		CO	5.31	12.48
		VOC	5.93	13.29
		HCl	0.06	0.13
PAC-10	Low Pressure Flare	NO _x	0.14	0.16
		CO	1.21	1.37
		VOC	0.94	0.38
PAC-11	Boiler	NO _x	0.70	3.07
		PM/PM ₁₀ /PM _{2.5}	0.01	0.04
		CO	0.18	0.77
		VOC	0.02	0.07
		SO ₂	0.01	0.01
PAC-12	Cooling Tower	PM/PM ₁₀ /PM _{2.5}	0.19	0.81
PAC-FUG	Fugitives (5)	VOC	0.05	0.19

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- (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.
 - HCl - hydrochloric acid.
 - NO_x - total oxides of nitrogen.
 - SO₂ - sulfur dioxide.
 - PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented.
 - PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented.
 - PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter.
 - CO - carbon monoxide
- (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.
- (6) EPN SF-1 will be operational only when flare EPN SF-1A is down for maintenance. The flares cannot be operated simultaneously. All emissions for EPN SF-1 are to be reported under EPN SF-1A for the Annual Emissions Inventory. Emission rates for EPNs SF-1 or SF-1A include only those related to the PAC Unit. EPNs SF-1 and SF-1A are also used by facilities contained in Permit Number 7700. EPN SF-1 is also used by facilities contained in Permit Numbers 1505, 1506, 2300, 8149, 19545, 7700, 24066, 33000, and 34028.

Date: _____