

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number: 9803

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 Source Rates *	Source	Air Contaminant		<u>Emission</u>
Point No. (1)	Name	Name (2)	lb/hr	
TPY**				
001	ESP No. 1	VOC0.06	0.26	
	Roasters No.1 and 2	NO _x	0.68	2.98
		SO ₂	287.50	1259.25
		CO	0.68	3.00
		NiO	0.02	0.09
		MoO ₃	0.15	0.66
		V ₂ O ₅	0.07	0.33
		PbO	0.01	0.01
		Al ₂ O ₃	19.75	86.51
002	ESP No. 2	VOC0.06	0.26	
	Roasters No.1 and 2	NO _x	0.68	2.98
		SO ₂	287.50	1259.25
		CO	0.68	3.00
		NiO	0.02	0.09
		MoO ₃	0.15	0.66
		V ₂ O ₅	0.07	0.33
		PbO	0.01	0.01
		Al ₂ O ₃	19.75	86.51
21-20	Cooling Tower	PM ₁₀ 0.01	0.10	
003	Baghouse Stack	PM ₁₀ 0.34	1.47	
F-Area 3 Material Handling Losses		PM0.45	1.95	

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- (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
- NiO - nickel oxide
- MoO₃ - molybdenum trioxide
- V₂O₅ - vanadium pentoxide
- PbO - lead oxide compounds
- Al₂O₃ - aluminum oxide

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

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

____Hrs/day ____ Days/week ____ Weeks/year or 8,760 Hrs/year