

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 3149

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 **
1	Scrubber Stack	CO	18.40	80.50
		H ₂ SO ₄	3.54	15.51
		NO _x	6.30	27.60
		Pb	0.18	0.79
		PM ₁₀	3.60	15.90
		SO ₂	400.00	1205.00
		VOC (5)	11.40	--
2	No. 1 Sulfite Storage Tank	NaHSO ₃ /Na ₂ SO ₃	0.0	0.0
3	No. 2 Sulfite Storage Tank	NaHSO ₃ /Na ₂ SO ₃	0.0	0.0
4	No. 4 Sulfite Storage Tank	NaHSO ₃ /Na ₂ SO ₃	0.0	0.0
5	No. 19 Sulfite Storage Tank	NaHSO ₃ /Na ₂ SO ₃	0.0	0.0
FUG	Process Piping Fugitives (4)	VOC	1.31	5.73

(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) CO - carbon monoxide
H₂SO₄ - sulfuric acid mist
NaHSO₃ - sodium bisulfite
Na₂SO₃ - sodium sulfite
NO_x - total oxides of nitrogen
Pb - lead
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.

SO₂ - sulfur dioxide

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

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(4) Fugitive emissions are an estimate only and are not considered as a maximum allowable emission rate.

(5) The VOC short term emissions from EPN 1 are allowed only when the spent acid tank vents are routed to the SO₂ scrubber for one hour per rolling 12-months.

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

24 Hrs/day 7 Days/week 52 Weeks/year

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