

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 4802

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**
104	Unit No. 2 Stack	NO _x	37.2	162.9
		H ₂ SO ₄	10.0	43.8
		SO ₂	1250.0	5475.0
		VOC	0.01	0.01
FE2	Fugitives (4)	SO ₂	0.04	0.18
120	Vapor Combustor-Standby	NO _x	1.80	3.96
		CO	1.51	3.33
		PM ₁₀	0.14	0.30
		SO ₂	0.01	0.02
		VOC	0.10	0.22
120	Vapor Combustor (maintenance)	VOC	22.22	3.29
FE-12	Fugitives from HW Equipment (4)	VOC	0.04	0.19
FE-13	Fugitives from HW Equipment (4)	VOC	0.02	0.10
FE-14	Fugitives from HW Equipment (4)	VOC	0.01	0.01
170	Vapor Combustor 2-Normal	NO _x	2.38	1.40
		CO	3.17	1.87
		PM ₁₀	0.12	0.07
		SO ₂	4.06	0.52
		VOC	25.93	3.30
170	Vapor Combustor 2 (maintenance)	SO ₂	0.45	0.02
		VOC	2.84	0.14

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			lb/hr	TPY
FUG-SA1	Spent Acid Process Fugitives (4)	VOC	0.07	0.27
		SO ₂	0.10	0.31
		H ₂ SO ₄	0.30	1.33
FUG-SA2	Spent Acid Process Fugitives (4)	VOC	0.02	0.06
		SO ₂	0.03	0.08
		H ₂ SO ₄	0.06	0.27
FUG-SA3	Spent Acid Process Fugitives (4)	VOC	0.02	0.07
		SO ₂	0.06	0.18
		H ₂ SO ₄	0.02	0.11
FUG-SA4	Spent Acid Process Fugitives (4)	VOC	0.08	0.29
		SO ₂	0.12	0.37
		H ₂ SO ₄	0.30	1.33

(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 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

CO - carbon monoxide

PM₁₀ - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.

H₂SO₄ - sulfuric acid

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

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

Hrs/year 8,760

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			lb/hr	TPY

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

Dated October 21, 2004