

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 234B

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
GBB001	Incinerator	CO	0.50	1.40
		Cl ₂	10.00	6.20
		HCl	5.60	8.40
		NO _x	2.80	6.80
		PM	0.10	0.40
		VOC	0.60	1.00
GBB001	Incinerator (5)	CO	0.20	0.87
		Cl ₂	9.00	6.60
		HCl	5.39	5.95
		NO _x	0.24	1.04
		PM	0.10	0.40
		VOC	0.56	0.70
GBB002	Environmental Vent Scrubber	Cl ₂	10.00	2.70
		HCl	10.00	2.70
		PM	0.50	2.20
		VOC	16.0	5.70
GBB002	Environmental Vent Scrubber (5)	Cl ₂	1.30	1.20
		HCl	4.01	1.20
		PM	0.60	1.30
		VOC	9.20	9.20
GBB005	HTF Heater Stack 8 MM BTU/HR	CO	0.66	2.89
		NO _x	0.78	3.42
		PM	0.06	0.26
		SO ₂	0.01	0.04
		VOC	0.04	0.18
GBB006	West Caustic Tank	NaOH	0.01	0.01
GBB007	East Caustic Tank	NaOH	0.01	0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
GBB008	HTF Expansion Vessel	VOC	0.01	0.01
GBB009	Sulfuric Acid Tank (Fresh)	H ₂ SO ₄	0.02	0.02
GBB010	Emergency Generator 600 HP Diesel Fired	CO	4.0	0.22
		NO _x	18.5	1.02
		PM ₁₀	1.3	0.07
		SO ₂	1.2	0.07
		VOC	1.5	0.08
GBB011	Emergency Generator Diesel Storage Tank	VOC	0.01	0.01
GBB012	Caustic Storage Tank	NaOH	0.01	0.01
FGBB01	CTL I Fugitives (4)	Cl ₂	0.23	1.00
		HCl	0.10	0.50
		PM	0.40	1.70
		VOC	2.21	0.32

- (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) Cl₂ - chlorine
CO - carbon monoxide
HCl - hydrogen chloride
H₂SO₄ - sulfuric acid
NaOH - sodium hydroxide
NO_x - total oxides of nitrogen
PM - particulate matter
SO₂ - sulfur dioxide
VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) These emissions rates shall become effective after the CTL I Production Unit has been modified as defined in Special Condition No. 8.

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

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