

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 3945A

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)	<u>Emission Rates *</u>	
			lb/hr	TPY
GBT002	Environmental Vent Scrubber	VOC	22.8	12.2
		PM	0.53	3.0
		Cl ₂	10.0 ♣	2.7
		HCl	10.0 ♣	2.7
GBT003	HTF Heater Stack 3 MM BTU/HR	VOC	0.1	0.1
		NO _x	0.80	2.4
		SO ₂ **	1.4	4.4
		PM	0.10	0.30
		CO	0.10	0.10
GBT004	East Package Boiler 33 MM BTU/HR	VOC	0.33	1.0
		NO _x	10.1	31.2
		SO ₂ **	18.2	56.2
		PM	1.1	3.5
		CO	1.7	5.1
GBT006	Emergency Generator 630 HP Diesel Fired	VOC	1.6	0.30
		NO _x	21.9	1.9
		SO ₂ **	1.3	0.20
		PM	1.4	0.20
		CO	4.2	0.50
GBT007	Emergency Diesel Fuel Tank	VOC	0.1	0.1
GBT008	West Package Boiler 60 MM BTU/HR	VOC	0.2	0.71
		NO _x	9.2	31.4
		SO ₂ **	0.1	0.14
		PM	0.8	3.5
		CO	0.9	3.9
FGBT01	Fugitives (4)	VOC	0.26	1.13

	PM	0.1	0.20
	Cl ₂	0.20	0.90
	HCl	0.1	0.30
Freon 12	3.5	15.3	

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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) Cl₂ - chlorine
CO - carbon monoxide
HCl - hydrogen chloride
NO_x - total oxides of nitrogen
PM - particulate matter
SO₂ - sulfur dioxide
SO₃ - sulfur trioxide
VOC - volatile organic compounds as defined in General Rule 101.1
- (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/day____Days/week____Weeks/year____or Hrs/year 8,760

** Estimate: 0.5 percent of SO₂ emissions are in the form of SO₃

♣ Short-term Cl₂ and HCl from GBT002 subject to change.