

# 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.

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	AIR CONTAMINANTS DATA	
			Emission Rates *	
			lb/hr	TPY
GBT002	CTL II Environmental Vent Scrubber (4) (6)	Cl <sub>2</sub>	10.0	2.7
		HCl	10.0	2.7
		PM	0.53	3.0
		VOC	12.2	
GBT002	CTL II Environmental Vent Scrubber (4) (7)	Cl <sub>2</sub>	1.35	1.18
		HCl	4.15	1.21
		PM	0.30	1.31
		VOC	2.00	2.63
GBT003	CTL II HTF Heater Stack 3 MM BTU/HR (6)	CO	0.10	0.10
		NO <sub>x</sub>	0.80	2.4
		PM	0.10	0.30
		SO <sub>2</sub>	1.4	4.4
		VOC	0.1	0.1
GBT003	CTL II HTF Heater Stack 3 MM BTU/HR (7)	CO	0.06	0.28
		NO <sub>x</sub>	0.30	1.31
		PM	0.04	0.16
		SO <sub>2</sub>	<0.01	0.01
		VOC	0.02	0.07
GBT004	East Package Boiler 33 MM BTU/HR (6)	CO	1.7	5.1
		NO <sub>x</sub>	10.1	31.2
		PM	1.1	3.5
		SO <sub>2</sub>	18.2	56.2
		VOC	0.33	1.0

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CONTAMINANTS DATA			AIR	
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
GBT004	East Package Boiler 33 MM BTU/HR (7)	CO	1.38	6.06
		NO <sub>x</sub>	5.53	24.22
		PM	0.54	2.37
		SO <sub>2</sub>	0.02	0.10
		VOC	0.11	0.48
GBT006	Emergency Generator 630 HP Diesel Fired (6)	CO	4.2	0.50
		NO <sub>x</sub>	21.9	1.9
		PM	1.4	0.20
		SO <sub>2</sub>	1.3	0.20
		VOC	1.6	0.30
GBT006	Emergency Generator 630 HP Diesel Fired (7)	CO	1.30	0.13
		NO <sub>x</sub>	4.96	0.50
		PM	0.11	0.01
		SO <sub>2</sub>	0.81	0.08
		VOC	0.16	0.02
GBT007	Emergency Diesel Fuel Tank (6)	VOC	0.1	0.1
GBT007	Emergency Diesel Fuel Tank (7)	VOC	<0.01	<0.01
GBT008	West Package Boiler 60 MM BTU/HR (6)	CO	0.9	3.9
		NO <sub>x</sub>	9.2	31.4
		PM	0.8	3.5
		SO <sub>2</sub>	0.1	0.14
		VOC	0.2	0.71

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
GBT008	West Package Boiler 60 MM BTU/HR (7)	CO	2.10	9.20
		NO <sub>x</sub>	8.40	36.79
		PM	0.82	3.60
		SO <sub>2</sub>	0.04	0.16
		VOC	0.17	0.74
GBT009	CTL II HTF Expansion Vessel 0.03		VOC	0.03
FGBT01	CTL II Fugitives (5) (6)	Cl <sub>2</sub>	0.20	0.90
		Freon 12	3.5	15.3
		HCl	0.1	0.30
		PM	0.1	0.20
		VOC	0.26	1.13
FGBT01	CTL II Fugitives (5) (7)	Cl <sub>2</sub>	0.16	0.70
		HCl	0.13	0.57
	PM	0.19	0.83	

- (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) Cl<sub>2</sub> - chlorine  
CO - carbon monoxide  
HCl - hydrogen chloride  
NO<sub>x</sub> - total oxides of nitrogen  
PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>.  
SO<sub>2</sub> - sulfur dioxide  
VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1
- (4) CTL II- Chlorothalonil II production unit
- (5) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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- (6) These emissions rates shall cease to be effective when the CTL II unit is modified as defined in Special Condition No. 3.
- (7) These emissions rates shall become effective after the CTL II unit has been modified as defined in Special Condition No. 3.

\* 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

Dated \_\_\_\_\_