

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 4893A

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 **
GBP004	Main Cold Stack	CO	2.40	0.30
		HCN	0.05	0.01
		NH ₃	1.50	1.00
		NO _x	0.05	0.04
		PM	0.15	0.03
		VOC	15.0	2.08
GBP005	South Dowtherm Vaporizer	CO	0.60	1.08
		NO _x	0.71	1.29
		PM ₁₀	0.05	0.10
		SO ₂	0.01	0.01
		VOC	0.04	0.07
GBP006	IPN Cooling Tower	VOC	0.01	0.01
GBP007	Exh.- Diesel, Generator	CO	2.50	0.07
		NO _x	11.60	0.30
		PM ₁₀	0.80	0.02
		SO ₂	0.80	0.02
		VOC	0.90	0.02
GBP008	Exh.- Diesel, Cooling Water Pump	CO	1.60	0.04
		NO _x	7.30	0.19
		PM ₁₀	0.50	0.01
		SO ₂	0.50	0.01
		VOC	0.60	0.02
GBP013	North Dowtherm Vaporizer	CO	0.60	1.08
		NO _x	0.71	1.29
		PM ₁₀	0.05	0.10
		SO ₂	0.01	0.01
		VOC	0.04	0.07

EMISSION SOURCES-MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 4893A

Page 2

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
GBP014	Emer. Generator Diesel Storage Tank	VOC	0.09	0.01
GBP016	Incinerator Stack	CO	9.90	39.00
		HCN	0.20	0.80
		NH ₃	0.40	1.70
		NO _x	44.60	90.00
		PM	1.00	3.90
		SO ₂	0.02	0.17
		VOC	2.10	7.60
GBP018	Dowtherm System Inerts Vent	VOC	1.07	1.05
GBP021	Catalyst Hopper Baghouse	PM	0.60	0.08
GBP022	Bleach Storage Tank	HCl	0.01	0.01
GBP024	200 Area Baghouse	NH ₃	2.00	4.56
		PM ₁₀	0.18	0.13
		VOC	1.50	2.19
GBP025	Incinerator BFW Treatment Tanks	VOC	0.01	0.01
GBP026	Cool TWR Water Treatment Chemical Tanks	VOC	0.01	0.01
GBP027	Cool TWR Water Pump Diesel Storage Tank	VOC	0.10	0.01
GBP028	BFW Treatment Chemicals Tank 0.01	VOC		0.01
GBP029	Dissolving Tank Vent	VOC	2.00	0.27

EMISSION SOURCES-MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 4893A

Page 3

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
GBP030	Carbon Adsorption System	VOC	0.01	0.04
GBP031	Heavy Ends Baghouse	PM ₁₀	0.35	1.53
		VOC	0.58	0.07
FGBP01	Process Fugitives (4)	NH ₃	0.18	0.83
		PM ₁₀	1.35	5.90
		VOC	2.01	8.85

- (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
 - HCl - hydrochloric acid
 - HCN - hydrocyanic acid
 - NH₃ - ammonia
 - NO_x - total oxides of nitrogen
 - PM - particulate matter
 - PM - particulate matter less than 10 microns
 - 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.

* 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. Date _____