Permit No. 21878

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	Source	Air Contaminant	Emission Rates *	
Point No. (1)	Name (2)		Name (3)	<u>)/hr</u>
	TPY **			
Industrial Gas Produ PSA-FUG	uction Plant Pressure Swing	СО	0.95	4.20
r SA-FUG	Adsorption Unit Fugitives (4)	CO	0.93	4.20
7	HyCO-1 Flare	Upset or Maintenance Use Only		
12	HyCO-2 Flare	Upset or Maintenance Use Only		
A	Fired Gas Preheater A	NO _x PM SO₂ CO VOC Ammonia Cyanide	1.92 0.48 0.81 1.15 0.09 0.007 0.0007	8.4 2.1 3.6 5.1 0.4 0.03 0.003
В	Fired Gas Preheater B	NO _x PM SO₂ CO VOC Ammonia Cyanide	1.92 0.48 0.81 1.15 0.09 0.007 0.0007	8.4 2.1 3.6 5.1 0.4 0.03 0.003
D	Warm Flare	NO_x CO SO_2	6.9 142.4 1.1	3.2 63.7 0.5
E	Cold Flare	Upset or Maintenance Use Only		

AIR CONTAMINANTS DATA

Emission	Source	Air Contaminant		Emission Rates *	
Point No. (1)	Name (2)		Name (3)	lb/hr	TPY**
F	Plant Fugitives (4)	РМ	CO VOC 0.16	5.13 0.28 0.02	22.51 1.2
G	Liquid Oxygen Vaporizer		NO _x (5) NO _x PM SO ₂ CO VOC	2.04 1.21 0.24 0.23 0.55 0.05	5.3 1.1 1.0 2.4 0.2
Н	Wastewater Equalization Tank		VOC Cyanide Ammonia CO	0.002 0.001 0.020 0.14	0.007 0.002 0.088 0.6
I	Temperature Swing Adsorption Driers		CO Fe(CO)₅	0.29 0.058	1.3 0.01
J	MEA Storage Tank (3)		VOC	0.02	0.07
К	HyCO-3 Cooling Tower		PM	1.75	7.64
Peaking Power Plan	<u>t</u>				
GT-1	Gas Turbine No. 1	CO VOC PM ₁₀ SO ₂	NO _x 41.80 2.40 12.75 4.29	32.20 12.53 0.73 6.86 2.14	17.60
GT-2	Gas Turbine No. 2	CO VOC PM ₁₀	NO _x 41.80 2.40 12.75	32.20 12.53 0.73 6.86	17.60

AIR CONTAMINANTS DATA

Emission	Source	Air Contaminant		<u>Emissio</u>	Emission Rates *	
Point No. (1)	Name (2)		Name (3)	lb/hr	TPY**	
		SO ₂	4.29	2.14		
GT-3	Gas Turbine No. 3	CO VOC PM ₁₀ SO ₂	NO _x 41.80 2.40 12.75 4.29	32.20 12.53 0.73 6.86 2.14	17.60	
GT-4	Gas Turbine No. 4	CO VOC PM ₁₀ SO ₂	NO _x 41.80 2.40 12.75 4.29	32.20 12.53 0.73 6.86 2.14	17.60	
HTR-1	Natural Gas Preheater	CO VOC PM ₁₀ SO ₂	NO _x 0.41 0.03 0.01 <0.01	0.49 0.20 <0.01 <0.01 <0.01	0.30	

- (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) VOC volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide CO - carbon monoxide

PM - particulate matter, suspended in the atmosphere, including PM₁₀

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

Fe(CO)5 - iron pentacarbonyl

- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Firing propane (Only used during upset or routine maintenance periods).
- * Emission rates except for GT-1, GT-2, GT-3, GT-4 are based on 8,760 hrs/yr operation.

AIR CONTAMINANTS DATA

Emission	Source	Air Contaminant	<u>Emissio</u>	n Rates *
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY**

Dated <u>December 19, 2000</u>

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