

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 31914 and PSD-TX-857

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)lb/hr	<u>Emission Rates *</u> TPY
1	Gas Turbine/HRSG 1	NO _x	229.1
		CO (4)	79.6
		VOC	4.0
		SO ₂	77.2
		TSP (FH + BH)	25.2
		PM ₁₀	14.7
		H ₂ SO ₄	5.9
2	Gas Turbine/HRSG 2	NO _x	229.1
		CO (4)	79.6
		VOC	4.0
		SO ₂	77.2
		TSP (FH + BH)	25.2
		PM ₁₀	14.7
		H ₂ SO ₄	5.9
3	Gas Turbine/HRSG 3	NO _x	229.1
		CO (4)	79.6
		VOC	4.0
		SO ₂	77.2
		TSP (FH + BH)	25.2
		PM ₁₀	14.7
		H ₂ SO ₄	5.9
4	Gas Turbine/HRSG 4	NO _x	229.1
		CO (4)	79.6
		VOC	4.0
		SO ₂	77.2
		TSP (FH + BH)	25.2
		PM ₁₀	14.7
		H ₂ SO ₄	5.9

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)lb/hr	<u>Emission Rates *</u> TPY	
	Emissions Cap (5)	NO _x		2430.8
		CO		1080.4
		VOC		18.3
		SO ₂		146.4
		TSP/PM ₁₀ (FH + BH)		359.2
5	Fugitives	VOC	0.3	1.5

(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 Title 30 Texas Administrative Code § 111.

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

CO - carbon monoxide

TSP - total suspended particulate

PM₁₀ - particulate matter less than 10 microns in diameter

H₂SO₄ - sulfuric acid

FH - front-half

BH - back-half

(4) Short-term emission rates of CO are based on a 30-day rolling hourly average. **(2/07)**

(5) The emissions cap represents the maximum allowable emissions from all equipment under control of Sweeny Cogeneration Limited Partnership which is the sum of all emissions authorized under this permit from the four turbine/HRSG units and/or the sum of all emissions from the "grandfathered" Boilers, EPNs 51-7-1, 51-7-2, 51-7-3, 51-7-5, 51-7-6, 51-7-7, 51-7-8, and 51-7-9. The sum of emissions from all EPNs under this permit and/or the sum of all emissions from the "grandfathered" Boilers identified above shall not exceed the annual emissions cap.

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

Hrs/day 24 Days/week 7 Hours/year 8,760

Dated February 23, 2007