

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 31914/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 *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
1	Gas Turbine/HRSG 1	NO <sub>x</sub>	229.1	692.2
		CO	79.6	267.3
		VOC	4.0	4.1
		SO <sub>2</sub>	77.2	36.3
		TSP(FH + BH)	25.2	89.8
		PM <sub>10</sub>	14.7	49.6
		H <sub>2</sub> SO <sub>4</sub>	5.9	1.7
2	Gas Turbine/HRSG 2	NO <sub>x</sub>	229.1	692.2
		CO	79.6	267.3
		VOC	4.0	4.1
		SO <sub>2</sub>	77.2	36.3
		TSP(FH + BH)	25.2	89.8
		PM <sub>10</sub>	14.7	49.6
		H <sub>2</sub> SO <sub>4</sub>	5.9	1.7
3	Gas Turbine/HRSG 3	NO <sub>x</sub>	229.1	692.2
		CO	79.6	267.3
		VOC	4.0	4.1
		SO <sub>2</sub>	77.2	36.3
		TSP(FH + BH)	25.2	89.8
		PM <sub>10</sub>	14.7	49.6
		H <sub>2</sub> SO <sub>4</sub>	5.9	1.7
4	Fugitives	VOC	0.2	1.1
	Emissions Cap (4)	NO <sub>x</sub>		2151.43
		CO		813.10
		VOC		13.80
		SO <sub>2</sub>		110.10
		TSP		152.10

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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) VOC - volatile organic compounds as defined in General Rule 101.1  
NO<sub>x</sub> - total oxides of nitrogen  
SO<sub>2</sub> - sulfur dioxide  
CO - carbon monoxide  
TSP - total suspended particulate  
PM<sub>10</sub> - particulate matter less than 10 microns in diameter  
H<sub>2</sub>SO<sub>4</sub> - sulfuric acid  
FH - front half  
BH - back half
- (4) 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 three 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.

\* 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 \_\_\_\_\_