

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 8904 and PSD-TX-447M1

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
4	Boiler No. 4 Fuel: Natural Gas	CO	6.1	
		NO _x	11.8	
		PM ₁₀	0.98	
		SO ₂	0.06	
		VOC	0.3	
4	Boiler No. 4 Fuel: Fuel Oil	CO	3.4	
		NO _x	29.4	
		PM ₁₀	9.8	
		SO ₂	30.3	
		VOC	0.67	
4	Boiler No. 4 Fuel: Biogas	CO	3.8	
		NO _x	7.4	
		PM ₁₀	12.4	
		SO ₂	37.9	
		VOC	0.2	
4	Boiler No. 4 Fuels: Biogas and Natural Gas	CO	6.1	
		NO _x	11.8	
		PM ₁₀	12.7	
		SO ₂	37.9	
		VOC	0.3	
4	Boiler No. 4 Fuels: Biogas, Fuel Oil, and Natural Gas	CO	6.1	
		NO _x	18.2	
		PM ₁₀	12.4	
		SO ₂	49.1	

VOC

0.43

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
4	Boiler No. 4 Fuel: All (5)	CO		26.6
		NO _x		74.6
		PM ₁₀		26.4
		SO ₂		76.6
		VOC	1.7	
5	Boiler No. 5 Fuel: Natural Gas	CO	6.1	
		NO _x	11.8	
		PM ₁₀	0.98	
		SO ₂	0.06	
		VOC	0.3	
5	Boiler No. 5 Fuel: Fuel Oil	CO	3.4	
		NO _x	29.4	
		PM ₁₀	9.8	
		SO ₂	30.3	
		VOC	0.67	
5	Boiler No. 5 Fuel: Biogas	CO	3.8	
		NO _x	7.4	
		PM ₁₀	12.4	
		SO ₂	37.9	
		VOC	0.2	
5	Boiler No. 5 Fuels: Biogas and Natural Gas	CO	6.1	
		NO _x		11.8
		PM ₁₀	12.7	
		SO ₂	37.9	
		VOC	0.3	
5	Boiler No. 5 Fuels: Biogas, Fuel Oil, and Natural Gas	CO	6.1	
		NO _x		18.2
		PM ₁₀	16.0	
		SO ₂	49.1	
		VOC	0.43	

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
5	Boiler No. 5 Fuel: All (5)	CO		26.6
		NO _x		74.6
		PM ₁₀		26.4
		SO ₂		76.6
	VOC		1.7	
6	Boiler No. 6 Fuel: Natural Gas	CO	6.1	
		NO _x	11.8	
		PM ₁₀	0.98	
		SO ₂	0.06	
	VOC	0.3		
6	Boiler No. 6 Fuel: Fuel Oil	CO	3.4	
		NO _x	29.4	
		PM ₁₀	9.8	
		SO ₂	30.3	
	VOC	0.67		
6	Boiler No. 6 Fuel: All (6)	CO		26.6
		NO _x		51.5
		PM ₁₀		15.8
		SO ₂		39.8
	VOC		1.2	
	Boiler Nos. 4, 5, and 6 Fuel: All (7)	CO		79.9
		NO _x		180.0
		PM ₁₀		34.9
		SO ₂		76.9
	VOC		4.2	
350	Flare	CO	39.6	96.3
		H ₂ S	0.64	0.42
		NO _x	4.6	11.2
		SO ₂	60.6	36.9

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
351	Biofilter (4)	H ₂ S	1.5	2.24
352	BERS Fugitives (4)	H ₂ S	0.003	0.01

(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

H₂S - hydrogen sulfide

NO_x - total oxides of nitrogen

PM₁₀ - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.

SO₂ - sulfur dioxide

VOC - volatile organic compounds as defined in General Rule

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

(5) This boiler may use as fuels fuel gas produced by the Bio-Energy Recovery System, fuel oil, and/or natural gas. Total annual emissions from this boiler, regardless of fuel used, may not exceed these allowable emission rates.

(6) Boiler No. 6 may only use as fuels fuel oil and/or natural gas. Total annual emissions from this boiler, regardless of fuel used, may not exceed these allowable emission rates.

(7) The total sum of the annual emissions from Boiler Nos. 4, 5, and 6, regardless of fuel used, may not exceed these allowable emission rates.

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

Hrs/day_____ Days/week_____ Weeks/year_____ or Hrs/year_____

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Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
<u>8,760</u>				

Dated _____