

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 1498

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
E405	Boiler No. 8A (35.2 MMBtu/Hr)	PM	0.83	1.24
		SO ₂	1.79	0.38
		NO _x	5.03	15.38
		CO	2.90	12.70
		VOC	0.19	0.83
E406	Boiler No. 8B (35.2 MMBtu/Hr)	PM	0.83	1.24
		SO ₂	1.79	0.38
		NO _x	5.03	15.38
		CO	2.90	12.70
		VOC	0.19	0.83
E407	Boiler No. 8C (35.2 MMBtu/Hr)	PM	0.83	1.24
		SO ₂	1.79	0.38
		NO _x	5.03	15.38
		CO	2.90	12.70
		VOC	0.19	0.83
E408	Boiler No. 8D (when firing natural gas/biogas) (95.9 MMBtu/Hr)	PM	0.71	
		SO ₂	0.06	
		NO _x	2.30	
		CO	7.90	
		VOC	0.52	
	Boiler No. 8D (when firing No. 2 fuel oil) (95.9 MMBtu/Hr)	PM	2.26	
		SO ₂	4.86	
		NO _x	3.60	
		CO	3.43	
		VOC	0.14	

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
E409	(95.9 MMBtu/Hr)	Boiler No. 8D		PM
		6.22		
		(annual limits)		SO ₂
		9.86		
		NO _x		12.67
			CO	34.60
			VOC	2.26
E409	(95.9 MMBtu/Hr)	Boiler No. 8E		
		PM	0.71	
		(when firing natural gas/biogas)	SO ₂	0.06
		NO _x	2.30	
			CO	7.90
			VOC	0.52
E409	(95.9 MMBtu/Hr)	Boiler No. 8E		PM
		2.26		
		(when firing No. 2 fuel oil)		SO ₂
		4.86		
		NO _x	3.60	
			CO	3.43
			VOC	0.14
E409	(95.9 MMBtu/Hr)	Boiler No. 8E		PM
		6.22		
		(annual limits)		SO ₂
		9.86		
		NO _x		12.67
			CO	34.60
			VOC	2.26
E416	Enclosed Biogas Flare	SO ₂	0.11	<0.1
			NO _x	<1.0
			CO	<1.0
			VOC	<0.1

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H₂S <0.01 <0.01

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
 - (2) Specific point source names. For fugitive sources use area name or fugitive source name.
 - (3) PM - particulate matter, suspended in the atmosphere, including PM₁₀.
PM₁₀ - 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.
- VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1.
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
CO - carbon monoxide
H₂S - hydrogen sulfide

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

8,760 Hrs/year firing natural gas

No more than 336 hours per year of fuel oil firing for Boilers 8A, 8B, and 8C (EPNs E405, E406, and E407)

No more than 4,000 hours per year of fuel oil firing for Boilers 8D and 8E (EPNs E408 and E409).

Dated October 28, 2005