

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 20983

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
BOILERS FIRING NATURAL GAS				
1	Boiler No. 1 Erie City Keystone 34.4 MMBtu/hr	NO _x	3.8	---
		CO	2.8	---
		PM/PM ₁₀	0.2	---
		VOC	0.2	---
2	Boiler No. 2 Erie City Keystone 84 MMBtu/hr	NO _x	16.8	---
		CO	6.9	---
		PM/PM ₁₀	0.4	---
		VOC	0.4	---
4	Boiler No. 3 Cleaver Brooks 33.5 MMBtu/hr	NO _x	1.21	---
		CO	1.24	---
		PM/PM ₁₀	0.25	---
		VOC	0.20	---
		SO ₂	0.06	---
5	Boiler No. 4 Burnham 16.7 MMBtu/hr	NO _x	0.60	---
		CO	0.62	---
		PM/PM ₁₀	0.13	---
		VOC	0.10	---
		SO ₂	0.03	---

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY

BOILERS FIRING NO. 2 FUEL OIL

1	Boiler No. 1 Erie City Keystone 34.4 MMBtu/hr	NO _x	4.5	---
		CO	2.8	---
		SO ₂	6.9	---
		PM/PM ₁₀	3.4	---
		VOC	0.2	---
2	Boiler No. 2 Erie City Keystone 84 MMBTU\HR	NO _x	18.5	---
		CO	6.9	---
		SO ₂	16.8	---
		PM/PM ₁₀	8.4	---
		VOC	0.4	---

ENGINE FIRING DUAL FUEL - NATURAL GAS AND 6 PERCENT DIESEL

3	Engine No. 1 Enterprise DGSR-48 4,867-HP	NO _x	59.0	---
		CO	26.8	---
		SO ₂	0.4	---
		PM/PM ₁₀	0.4	---
		VOC	10.7	---

ENGINE FIRING NO. 2 DIESEL

3	Engine No. 1 Enterprise DGSR-48 4,867-HP	NO _x	128.8	---
		CO	21.5	---
		SO ₂	10.7	---
		PM/PM ₁₀	2.1	---
		VOC	0.9	---

COOLING TOWERS

6	Cooling Tower 1	PM/PM ₁₀	1.72	---
7	Cooling Tower 2	PM/PM ₁₀	1.14	---

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY

CUMULATIVE ANNUAL LIMIT FOR ALL EPNs

1-7	Boiler Nos. 1-4, Engine No. 1 and Cooling Tower Nos. 1-2	NO _x	98.98
		CO	42.92
		SO ₂	2.79
		PM/PM ₁₀	14.35
		VOC	14.71

* Emission rates are based on and the Thermal Energy Plant is limited by the following maximum operating schedule:

Hrs/day ____ Days/week ____ Weeks/year ____ or Hrs/year 8,760

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point 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

Dated June 18, 2008