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	Source	Air Contaminant	Emission	Rates *
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
, ,	, ,	, ,		
BOILERS FIRING NA	TURAL GAS			
1	Boiler No. 1	NO _x	3.8	2.7
	Erie City Keystone	CO	2.8	2.0
	34.4 MMBtu/hr	PM/PM ₁₀	0.2	0.12
		VOC	0.2	0.12
2	Boiler No. 2	NO _×	16.8	6.5
	Erie City Keystone	CO	6.9	2.6
	84 MMBtu/hr	PM/PM ₁₀	0.4	0.16
		VOC	0.4	0.16

^{*} Emission rates are based on and the boilers are limited to:

Boiler No. 1 - 4,771 hrs/yr or 49,570 MMBtu/yr Firing Natural Gas Boiler No. 2 - 3,259 hrs/yr or 64,490 MMBtu/yr Firing Natural Gas

BOILERS FIRING No. 2 FUEL OIL

1	Boiler No. 1	NO_{x}	4.5	0.25
	Erie City Keystone	CO	2.8	0.20
	34.4 MMBtu/hr	SO ₂	6.9	0.40
		PM/PM ₁₀	3.4	0.20
	VOC	0.2	< 0.1	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR

CONTAMINANTS DATA

Emission	Source	Air Contaminant	Emission	n Rates *
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
2	Boiler No. 2	NO _x	18.5	0.80
Erie City Keystone 84 MMBTU\HR	CO	6.9	0.30	
	84 MMBTU\HR	SO_2	16.8	0.72
		PM/PM ₁₀	8.4	0.40
		VOC	0.4	<0.1

^{*} Emission rates are based on and the boilers are limited to:

Boiler No. 1 - $\underline{365}$ Hrs/yr or $\underline{3,292}$ MMBtu/yr Firing No. 2 Fuel Oil Boiler No. 2 - $\underline{365}$ Hrs/yr or $\underline{7,223}$ MMBtu/yr Firing No. 2 Fuel Oil

ENGINE FIRING DUAL FUEL - NATURAL GAS AND 6 PERCENT DIESEL

3	Engine No. 1 Enterprise DGSR-48 4,867 HP	NO_x CO SO_2 PM/PM_{10} VOC 10.7	59.0 26.8 0.4 0.4 14.0	77.0 35.0 0.6 0.6
ENGINE FIRING No. 2	DIESEL			
3	Engine No. 1 Enterprise DGSR-48 4,867 HP	NO_x CO SO_2 PM/PM_{10} $VOC~0.9$	128.8 21.5 10.7 2.1 <0.1	11.0 2.0 1.0 0.2

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

* Emission rates are based on and the engine is limited to:

Engine No. 1 - 4,716 Hrs/yr at an average of 2,692 HP Firing Dual Fuel

300 Hrs/yr at an average of 2,743 HP Firing No. 2 Diesel

CUMULATIVE

ANNUAL LIMIT FOR BOILER NO. 1, BOILER NO. 2 AND ENGINE NO. 1

1, 2, and 3	Boiler Nos. 1 and 2,	NO_x	98.25 and Engine No. 1CO 42.10 SO_2
2.72			PM/PM ₁₀
1.70			
14.60			VOC

* 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 <u>8,760</u>

- (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

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