

Emission Sources - Maximum Allowable Emission Rates

Permit Number 20984

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, sources, and related activities. 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	
			lbs/hour	TPY (4)
Boilers Firing Natural Gas				
001	Boiler No. 1 Erie City Keystone 34.4 MMBtu/hr	NO _x	3.78	-
		CO	2.82	-
		PM ₁₀	0.17	-
		PM _{2.5}	0.17	-
		SO ₂	0.02	-
		VOC	0.17	-
002	Boiler No. 2 Erie City Keystone 84 MMBtu/hr	NO _x	9.24	-
		CO	6.89	-
		PM ₁₀	0.42	-
		PM _{2.5}	0.42	-
		SO ₂	0.05	-
		VOC	0.42	-
004	Boiler No. 3 Erie City Keystone 34.4 MMBtu/hr	NO _x	1.39	-
		CO	0.21	-
		PM ₁₀	0.03	-
		PM _{2.5}	0.03	-
		SO ₂	0.02	-
		VOC	0.14	-

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Boilers Firing No. 2 Fuel Oil (5)				
001	Boiler No. 1 Erie City Keystone 34.4 MMBtu/hr	NO _x	4.47	-
		CO	2.82	-
		PM ₁₀	1.02	-
		PM _{2.5}	0.17	-
		SO ₂	6.88	-
		VOC	0.17	-
002	Boiler No. 2 Erie City Keystone 84 MMBtu/hr	NO _x	18.48	-
		CO	6.89	-
		PM ₁₀	2.49	-
		PM _{2.5}	0.42	-
		SO ₂	16.80	-
		VOC	0.42	-
004	Boiler No. 3 Erie City Keystone 34.4 MMBtu/hr	NO _x	5.18	-
		CO	0.55	-
		PM ₁₀	0.03	-
		PM _{2.5}	0.03	-
		SO ₂	10.29	-
		VOC	0.07	-

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Engine Firing Dual Fuel (94% Natural Gas and 6% Diesel) (6)				
003	Engine No. 1 Enterprise DGSR-48 4867 HP	NO _x	59.01	-
		CO	26.82	-
		PM ₁₀	0.48	-
		PM _{2.5}	0.48	-
		VOC	10.73	-
		SO ₂	0.43	-
Engine Firing No. 2 Diesel (7)				
003	Engine No. 1 Enterprise DGSR-48 4867 HP	NO _x	128.76	-
		CO	21.46	-
		PM ₁₀	0.61	-
		PM _{2.5}	0.59	-
		VOC	0.86	-
		SO ₂	10.73	-
Cumulative Annual Limit for All EPNs				
001-004	Boilers 1-3 and Engine No. 1	PM ₁₀	-	0.85
		PM _{2.5}	-	0.85
		VOC	-	4.92
		SO ₂	-	2.05
		NO _x	-	48.58
		CO	-	21.20

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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 Title 30 Texas Administrative Code § 101.1
- NO_x - total oxides of nitrogen
- SO₂ - sulfur dioxide
- PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
- PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
- CO - carbon monoxide
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Fuel oil operation is limited to 48 hrs/yr per boiler.
- (6) Dual fuel operation is limited to 837 hrs/yr.
- (7) Diesel fuel operation is limited to 285 hrs/yr.

Date: April 19, 2013