

Emission Sources - Maximum Allowable Emission Rates

Permit Number 734

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 (6)	
			lbs/hour	TPY (5)
1-C-1E	Boiler No. 5 (7)	NO _x (4)	2.04	8.94
		CO (4)	9.74	42.66
		SO ₂	0.07	0.30
		PM	0.88	3.86
		PM ₁₀	0.88	3.86
		PM _{2.5}	0.88	3.86
		VOC	0.64	2.79
1-C-1F	Boiler No. 6 (7)	NO _x (4)	2.04	8.94
		CO (4)	9.74	42.66
		SO ₂	0.07	0.30
		PM	0.88	3.86
		PM ₁₀	0.88	3.86
		PM _{2.5}	0.88	3.86
		VOC	0.64	2.79
A-C-1	F-4502 Furnace (8)	NO _x	4.82	21.09
		CO	13.49	59.06
		SO ₂	0.08	0.35
		PM	1.02	4.45
		PM ₁₀	1.02	4.45
		PM _{2.5}	1.02	4.45
		VOC	0.73	3.22
A-C-2	F-4504 Furnace	NO _x	1.05	4.60

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		CO	2.27	9.92
		SO ₂	0.04	0.18
		PM	0.52	2.27
		PM ₁₀	0.52	2.27
		PM _{2.5}	0.52	2.27
		VOC	0.38	1.64

- (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
- CO - carbon monoxide
- (4) Compliance is determined on a rolling 24-hour average.
- (5) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (6) Planned maintenance, startup, and shutdown (MSS) emissions are included.
- (7) Emission limits using low NO_x burners on EPNs 1-C-1E and 1-C-1F. These emission rates reflect emission rates authorized under Standard Permit Registration Number 71045.
- (8) Emission limits using low NO_x burners on EPN A-C-1. These emission rates reflect emission rates authorized under Standard Permit Registration Number 79127.

Date: March 10, 2015