

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 35215

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
EP11	Thermal Oxidizer No. 1A Oxidation Ovens	NO _x	0.6	2.7
		CO	0.04	0.2
		VOC	0.01	0.04
		SO ₂	0.001	0.004
		PM ₁₀	0.02	0.09
EP21	Thermal Oxidizer No. 1B Oxidation Ovens	NO _x	0.6	2.7
		CO	0.04	0.2
		VOC	0.01	0.04
		SO ₂	0.001	0.004
		PM ₁₀	0.02	0.09
EP31	Thermal Oxidizer No. 1C Oxidation Ovens	NO _x	0.6	2.7
		CO	0.04	0.2
		VOC	0.01	0.04
		SO ₂	0.001	0.004
		PM ₁₀	0.02	0.09
EP41	Thermal Oxidizer No. 1D Oxidation Ovens	NO _x	0.6	2.7
		CO	0.04	0.2
		VOC	0.01	0.04
		SO ₂	0.001	0.004
		PM ₁₀	0.02	0.09
EP51	Thermal Oxidizer No. 1E Oxidation Ovens	NO _x	0.6	2.7
		CO	0.04	0.2
		VOC	0.01	0.04
		SO ₂	0.001	0.004
		PM ₁₀	0.02	0.09

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
EP12	Thermal Oxidizer No. 2A Low and High Temperature Furnaces	NO _x	3.31	14.5
		CO	0.49	2.15
		VOC	0.0005	0.002
		PM ₁₀	0.08	0.35
		HCN	1.16E-05	5.1E-05
EP22	Thermal Oxidizer No. 2B Low and High Temperature Furnaces	NO _x	3.31	14.5
		CO	0.49	2.15
		VOC	0.0005	0.002
		PM ₁₀	0.08	0.35
		HCN	1.16E-05	5.1E-05
EP32	Thermal Oxidizer No. 2C Low and High Temperature Furnaces	NO _x	3.31	14.5
		CO	0.49	2.15
		VOC	0.0005	0.002
		PM ₁₀	0.08	0.35
		HCN	1.16E-05	5.1E-05
EP42	Thermal Oxidizer No. 2D Low and High Temperature Furnaces	NO _x	3.31	14.5
		CO	0.49	2.15
		VOC	0.0005	0.002
		PM ₁₀	0.08	0.35
		HCN	1.16E-05	5.1E-05
EP52	Thermal Oxidizer No. 2E Low and High Temperature Furnaces	NO _x	3.31	14.5
		CO	0.49	2.15
		VOC	0.0005	0.002
		PM ₁₀	0.08	0.35
		HCN	1.16E-05	5.1E-05

(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.

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- (3) VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
PM₁₀ - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
CO - carbon monoxide
HCN - hydrogen cyanide
(4) The emission rates for EP11, EP21, EP31, EP41, and EP51 (Thermal Oxidizers No. 1) are based on a maximum natural gas firing rate of 2.0 MMBtu/hr.

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

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

Dated _____