

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 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)	<u>Emission Rates *</u>	
			lb/hr	TPY
EP11	Thermal Oxidizer No. 1A Oxidation Ovens (4)	NO <sub>x</sub>	0.6	2.7
		CO	0.04	0.2
		VOC	0.01	0.04
		SO <sub>2</sub>	0.001	0.004
		PM <sub>10</sub>	0.02	0.09
EP21	Thermal Oxidizer No. 1B Oxidation Ovens (4)	NO <sub>x</sub>	0.6	2.7
		CO	0.04	0.2
		VOC	0.01	0.04
		SO <sub>2</sub>	0.001	0.004
		PM <sub>10</sub>	0.02	0.09
EP31	Thermal Oxidizer No. 1C Oxidation Ovens (4)	NO <sub>x</sub>	0.6	2.7
		CO	0.04	0.2
		VOC	0.01	0.04
		SO <sub>2</sub>	0.001	0.004
		PM <sub>10</sub>	0.02	0.09
EP41	Thermal Oxidizer No. 1D Oxidation Ovens (4)	NO <sub>x</sub>	0.6	2.7
		CO	0.04	0.2
		VOC	0.01	0.04
		SO <sub>2</sub>	0.001	0.004
		PM <sub>10</sub>	0.02	0.09
EP51	Thermal Oxidizer No. 1E Oxidation Ovens (4)	NO <sub>x</sub>	0.6	2.7
		CO	0.04	0.2
		VOC	0.01	0.04
		SO <sub>2</sub>	0.001	0.004
		PM <sub>10</sub>	0.02	0.09
EP12	Thermal Oxidizer No. 2A	NO <sub>x</sub>	3.31	14.5

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

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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) NO<sub>x</sub> - total oxides of nitrogen  
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
SO<sub>2</sub> - sulfur dioxide  
PM<sub>10</sub> - 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 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 300 Days/year or 7,200 Hrs/year

Dated February 16, 2010