

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 19169

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
VCM-1	Incinerator	Cl <sub>2</sub>	4.00	17.52
		NO <sub>x</sub>	3.00	13.14
		CO	12.70	4.87
		HCl	1.00	4.38
		PM	1.00	4.38
		SO <sub>2</sub>	0.10	0.44
		VOC	0.15	0.66
VCM-2	Incinerator	Cl <sub>2</sub>	4.00	17.52
		NO <sub>x</sub>	3.00	13.14
		CO	12.70	4.87
		HCl	1.00	4.38
		PM	1.00	4.38
		SO <sub>2</sub>	0.10	0.44
		VOC	0.15	0.66
VCM-3	Lime Neutralization Vent	HCl	0.02	0.10
VCM-4	VCM Furnaces	NO <sub>x</sub>	5.20	12.00
		CO	13.00	57.10
		PM	1.20	5.29
		SO <sub>2</sub>	1.00	4.38
		VOC	0.68	2.96
		NH <sub>3</sub>	1.43	6.26
VCM-5	Decoke Drum	CO	43.70	**
		VOC	5.00	**
VCM-6	Decoke Drum	CO	43.70	**
		VOC	5.00	**

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
VCM-22	Decoke Drum	CO	43.70	**
		VOC	5.00	**
VCM-5,6,22	Decoke Drums	CO	**	15.72
		VOC	**	1.80
VCM-8	Cooling Tower (4)	VOC	18.20	7.93
VCM-9	Fugitives (4)	VOC	3.70	16.30
		Cl <sub>2</sub>	0.17	0.73
		HCl	0.30	1.30
		NH <sub>3</sub>	0.13	0.58
VCM-20	Limestone Unloading	PM	0.04	<0.01
VCM-21	VCM Furnaces	NO <sub>x</sub>	2.61	6.00
		CO	6.52	28.60
		PM	1.65	7.23
		SO <sub>2</sub>	0.50	2.20
		VOC	0.34	1.48
		NH <sub>3</sub>	0.72	3.13
VCM-23	Incinerator	Cl <sub>2</sub>	4.00	17.52
		NO <sub>x</sub>	3.00	13.14
		CO	12.70	4.87
		HCl	1.00	4.38
		PM	0.23	1.00
		SO <sub>2</sub>	0.10	0.44
		VOC	0.15	0.66
VCM-24	Cooling Tower (4)	VOC	13.20	5.80

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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 30 Texas Administrative Code Section 101.1  
NO<sub>x</sub> - total oxides of nitrogen  
SO<sub>2</sub> - sulfur dioxide  
PM - particulate matter  
CO - carbon monoxide  
HCl - hydrogen chloride  
Cl<sub>2</sub> - chlorine  
NH<sub>3</sub> - ammonia
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

\*\* Decoke emissions for EPNs VCM-5, VCM-6, and VCM-22 shall not exceed the combined annual emissions listed under EPN VCM-5,6,22

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

\_\_\_\_\_ Hrs/day \_\_\_\_\_ Days/week \_\_\_\_\_ Weeks/year or 8,760 Hrs/year

Dated\_\_\_\_\_