

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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

VCM-22	Decoke Drum		CO	43.70	***
			VOC	5.00	***
VCM-5, 6, and 22	Decoke Drums	VOC	CO	***	15.72
			***	1.80	
VCM-8	Cooling Tower	VCM	VOC	18.20	7.93
			18.20	7.93	
VCM-9	Fugitives (4)	VCM	VOC	4.08	17.86
			0.87	3.81	
			Cl ₂	0.17	0.73
			HCl	0.30	1.30
			NH ₃	0.13	0.58
VCM-20	Limestone Unloading		PM	0.04	0.01
VCM-21	VCM Furnaces		NO _x	2.61	6.00
			CO	6.52	28.60
			PM	1.65	7.23
			SO ₂	0.50	2.20
			VOC	0.34	1.48
			NH ₃	0.72	3.13
VCM-23	Incinerator		Cl ₂	4.00	17.52
			NO _x	3.00	13.14
			CO	12.70	4.87
			HCl	1.00	4.38
			PM	0.23	1.00
			SO ₂	0.10	0.44
			VOC	0.15	0.66
VCM-24	Cooling Tower	VCM	VOC	13.20	5.80
			13.20	5.80	

EMISSIONS FROM SOURCES SUBJECT TO MAXIMUM ALLOWABLE EMISSION RATES

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			lb/hr	TPY**
DOCKFUG	Dock Fugitives (4) (5)	VOC	0.05	0.11
		VCM 0.05	0.11	

(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

PM - particulate matter, suspended in the atmosphere, including PM₁₀

PM₁₀ - particulate matter 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

HCl - hydrogen chloride

Cl₂ - chlorine

NH₃ - ammonia

VCM - vinyl chloride monomer

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

(5) This emission point authorizes new marine loading piping fugitive emissions during the six-month period when existing and new piping are in both in VOC service. All fugitive emissions will be in EPN VCM-9 after the old dock is removed from service.

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

** Compliance with annual emission limits is based on a rolling 12-month period.

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Dated April 15, 2005