

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 17573

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		Air Contaminant		<u>Emission Rates *</u>	
	Name (2)	Name (3)	lb/hr	TPY		
EA-1	"A" Pneumatic Stack (5)		VOC		19.9	11.4
EA-2	"B" Pneumatic Stack (5)		VOC		19.9	11.4
EA-3	"C" Pneumatic Stack (5)		VOC		19.9	11.4
E4-1	Butadiene Absorber Vent		VOC		1.8	7.9
E9-1	Bale Dryer		VOC		0.0	0.1
			NO _x		0.2	0.6
			CO		0.0	0.1
			PM		0.0	0.1
E9-2	Bale Dryer		VOC		0.0	0.1
			NO _x		0.2	0.6
			CO		0.0	0.1
			PM		0.0	0.1
E10-1	Baghouse		PM		1.0	4.3
E10-2	Baghouse		PM		0.4	1.8
E10-3	Baghouse		PM		0.1	0.4
E10-4	Scrubber		PM		1.2	5.3
E11-1	NH ₃ Compressor (440 hp)		VOC		0.1	0.5
			NO _x		8.6	37.7
			CO		6.0	26.2
E11-2	NH ₃ Compressor (440 hp)		VOC		0.1	0.5
			NO _x		8.6	37.7
			CO		6.0	26.2

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
E11-3	NH ₃ Compressor (550 hp)	VOC	0.1	0.6
		NO _x	10.7	47.2
		CO	7.5	32.7

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			lb/hr	TPY
E11-4	NH ₃ Compressor (440 hp)	VOC	0.1	0.5
		NO _x	8.6	37.7
		CO	6.0	26.2
E11-5	NH ₃ Compressor (440 hp)	VOC	0.1	0.5
		NO _x	8.6	37.7
		CO	6.0	26.2
E13-1	Styrene Tank T-101	VOC		0.2
E13-2	Styrene Tank T-102	VOC		0.2
E13-3	Pure Styrene T-103	VOC		0.2
E13-4	Pure Styrene T-104	VOC		0.2
E13-6	Sulfuric Acid Tank	SO ₂	<0.1	<0.1
E15-1	Thermal Oxidizer	VOC	16.6	22.5
		NO _x	7.7	33.7
		SO ₂	0.02	0.1
		PM	0.2	0.9
		CO	0.2	0.7
F3-1	Reactor Area Fugitives (4)	VOC	1.76	9.2
		NH ₃	9.0	39.4
F4-1	Recovery Area Fugitives (4)	VOC	2.15	10.0
F5-1	Latex Area Fugitives (4)	VOC	0.4	1.8
F6-1	Coag Area Fugitives (4)	VOC	5.8	22.8
E6-1	Coag Area Stack	VOC	6.8	9.5
F7-1	BD Comp Fugitives (4)	VOC	0.022	0.1

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			lb/hr	TPY		
F13-1		Tank Farm Fugitives (4)		VOC	0.022	0.1
F10-1		Carbon Black Fugitives (4)		PM	0.3	1.5

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			lb/hr	TPY
F11-1	Compressor Building Fugitives (4)		NH ₃	3.86 16.9
F12-1	Wastewater Fugitives (4)		VOC	10.0 28.1

- (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) PM - particulate matter
 VOC - volatile organic compounds as defined in General Rule 101.1
 NO_x - total oxides of nitrogen
 SO₂ - sulfur dioxide
 CO - carbon monoxide
 NH₃ - ammonia
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Allowable emission rates for these sources are effective upon installation of the thermal oxidizer.

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

Hrs/day___Days/week___Weeks/year___or Hrs/year 8,760

Dated_____