

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 18384

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 Rates *	Source	Air Contaminant	Emission	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
EFFECTIVE UNTIL STARTUP OF LINE 7 PVC EXPANSION				
70	Dryer No. 1 (5)	VOC	24.5	73.0
		PM	1.37	6.0
		VCM	9.8	14.0
71	Dryer No. 2 (5)	VOC	24.5	73.0
		PM	1.37	6.0
		VCM	9.8	14.0
72	Dryer No. 3 (5)	VOC	24.5	73.0
		PM	1.37	6.0
		VCM	9.8	14.0
83	Dryer No. 4 (5)	VOC	25.6	76.2
		PM	1.37	6.0
		VCM	10.2	14.6
89	Dryer No. 5 (5)	VOC	30.45	90.5
		PM	1.48	6.5
		VCM	12.15	17.3
90	Dryer No. 6 (5)	VOC	30.45	90.5
		PM	1.48	6.5
		VCM	12.15	17.3
77A-H, 77J-X	PVC Storage Silos/Loading 1.5		PM	0.36
78A-B	Bagging Silos	PM	0.02	0.1

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<u>Emission Rates *</u> Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission</u>	
			<u>lb/hr</u>	<u>TPY</u>
112A-E	Surge Hopper	PM	0.12	0.5
112F	Surge Hopper	PM	0.02	0.1
F-74	Process Fugitives (4) 1.3		VOC	
88	Incinerator/Scrubber 0.1		VCM	0.10
		HCl	0.01	0.04
73A-K	PVC Reactors	VCM	MAINTENANCE EMISSIONS ONLY	
76L-M	PVC Reactors	VCM	MAINTENANCE EMISSIONS ONLY	
75 ONLY	Flare (6)		MAINTENANCE/ EMERGENCY USE	

- (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  
VCM - vinyl chloride monomer  
HCl - hydrogen chloride
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) The maximum allowable VOC emissions include the VCM emissions.
- (6) The flare is used for maintenance, emergency, and upset conditions only.

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<u>Emission Rates *</u>	<u>Source</u>	<u>Air Contaminant</u>	<u>Emission</u>
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr      TPY</u>

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

\_\_\_\_\_Hrs/day \_\_\_\_\_Days/week \_\_\_\_\_Weeks/year or \_\_\_\_\_8,784  
Hrs/year

Dated \_\_\_\_\_

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<u>Emission Rates *</u> Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission</u>	
			<u>lb/hr</u>	<u>TPY</u>
EFFECTIVE AFTER STARTUP OF LINE 7 PVC EXPANSION				
70	Dryer No. 1 (5)	VOC	16.0	51.0
		PM	1.37	6.0
		VCM	7.0	10.3
71	Dryer No. 2 (5)	VOC	16.0	51.0
		PM	1.37	6.0
		VCM	7.0	10.3
72	Dryer No. 3 (5)	VOC	16.0	40.0
		PM	1.37	6.0
		VCM	7.0	8.8
83	Dryer No. 4 (5)	VOC	20.0	53.0
		PM	1.37	6.0
		VCM	8.8	10.3
89	Dryer No. 5 (5)	VOC	20.0	53.0
		PM	1.48	6.5
		VCM	8.8	10.3
90	Dryer No. 6 (5)	VOC	20.0	53.0
		PM	1.48	6.5
		VCM	8.8	10.3
92	Dryer No. 7 (5)	VOC	27.0	53.0
		PM	2.59	11.3

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Emission Rates *	Source	Air Contaminant	Emission	
			lb/hr	TPY
Point No. (1)	Name (2)	Name (3)		
		VCM	11.7	10.3
77A-H, 77J-X	PVC Storage Silos/Loading 1.5		PM	0.36
77Y	PVC Storage Silo/Loading 0.22		PM	0.05
77Z	PVC Storage Silo/Loading 0.22		PM	0.05
78A	Bagging Silos	PM	0.02	0.1
78B	Bagging Silos	PM	0.02	0.1
112A-E	Surge Hopper	PM	0.12	0.5
F-74	Process Fugitives (4) 37.01		VOC	8.45
88	Incinerator/Scrubber 0.10		VCM	0.10
		HCl	0.01	0.04
		SO <sub>2</sub>	0.08	0.37
		NO <sub>x</sub>	1.73	7.56
		PM	0.004	0.02
		CO	1.08	4.72
		VOC	0.1	0.38
120	Cooling Tower 120	VOC	0.8	3.5
139	Gas Holder	VCM	2.04	0.41
140	Gas Holder	VCM	0.56	0.112

Permit No. 18384  
 Permit No. 18384  
 Page 3

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES  
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Emission Rates *	Source	Air Contaminant	Emission	
			lb/hr	TPY
Point No. (1)	Name (2)	Name (3)		
73 A-K	Reactors	VCM	MAINTENANCE EMISSIONS ONLY	
76 L-M	Reactors	VCM	MAINTENANCE EMISSIONS ONLY	
73 N-O	PVC Reactors 13 and 14 MAINTENANCE		VCM EMISSIONS ONLY	
75	Flare (6)		MAINTENANCE/ EMERGENCY USE ONLY	

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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) PM - particulate matter  
VOC - volatile organic compounds as defined in General Rule 101.1  
NO<sub>x</sub> - nitrogen oxides  
SO<sub>2</sub> - sulfur dioxide  
CO - carbon monoxide  
VCM - vinyl chloride monomer  
HCl - hydrogen chloride
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Individual dryer VCM emissions will vary, but the total emissions for all the dryers are capped at the total represented emissions level. The maximum allowable VOC emissions include the VCM emissions.
- (6) The flare is used for maintenance, emergency, and upset conditions only.
- \* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

\_\_\_\_\_Hrs/day \_\_\_\_\_Days/week \_\_\_\_\_Weeks/year or \_\_\_\_\_8,784  
Hrs/year

Permit No. 18384  
Page 5

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Dated \_\_\_\_\_