EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 18384 and N002

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**
70A/B	Dryer/Centrifuge No. 1	VOC (5)	25.20	
		PM	1.48	
		VCM	7.35	
71A/B	Dryer/Centrifuge No. 2	VOC (5)	19.08	
		PM	1.48	
		VCM	7.00	
72A/B	Dryer/Centrifuge No. 3	VOC (5)	21.00	
		PM	1.48	
		VCM	7.00	
83A/B	Dryer/Centrifuge No. 4	VOC (5)	20.00	
		PM	1.37	
		VCM	8.80	
89A/B	Dryer/Centrifuge No. 5	VOC (5)	20.00	
		PM	1.48	
		VCM	8.80	
90A/B	Dryer/Centrifuge No. 6	VOC (5)	20.00	
		PM	1.48	
		VCM	8.80	
92A/B/C	Dryer/Centrifuges No. 7	VOC (5)	26.50	
		PM	2.26	
		VCM	11.66	
70A/B, 71A/B, 72A/B, 83A/B, 89A/B, 90A/B, and 92A/B/C	PVC Dryer Emission Caps: Production Lines 1 - 7	VOC (5, 6, 7, 8, and 9)		256.85
		PM		48.30

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
77A-H, 77J-N, and 77P-Y	PVC Storage Silos	PM	1.31	5.74
		VOC (9)	0.74	3.25
77A-L-77H-L, 77J-L-77N-L, and 77P-L-77Y-L	PVC Loading	VOC (9)	0.02	0.03
78A	Off-Loading Silos	PM	0.09	0.07
		VOC (9)	0.05	0.04
78B	Off-Loading Silos	PM	0.09	0.07
		VOC (9)	0.05	0.04
78A-L	Railcar Reloading Spot	VOC (9)	0.01	0.01
78B-L	Railcar Reloading Spot	VOC (9)	0.01	0.01
F-74	Process Fugitives (4)	VOC (5 and 6)	6.77	29.57
		VCM	6.44	28.13
88	Incinerator/Scrubber	VCM	0.14	0.60
		HCl	1.75	5.12
		SO_2	0.06	0.26
		NO_x	2.00	8.76
		PM	0.15	0.66
		CO	1.68	7.36
		VOC (5 and 6)	0.55	1.09
120	Cooling Tower 120 (6)	VOC	1.41	6.18
130	Solution Preparation	VOC	4.75	0.44
131	Solution Preparation Blower Vent	VOC	0.99	0.04
140	Gas Holder (6)	VCM	0.56	0.11

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
75	Flare	NO_x	0.09	0.39
		CO	0.17	0.74
		SO_2	0.01	0.01

(1) Emission point identification - either specific equipment designation or emission point number (EPN) 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
PM - particulate matter, suspended in the atmosphere, including PM_{10}
PM_{10} - 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.
VCM - vinyl chloride monomer
HCl - hydrogen chloride
SO_2 - sulfur dioxide
NO_x - nitrogen oxides
CO - carbon monoxide
(4) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
(5) The maximum allowable VOC emission rates include the allowable VCM emissions.
(6) The VOC (including VCM) emissions subject to non-attainment new source review under N002.
(7) The annual VOC (including VCM) emissions for Dryer/Centrifuge No. 2 (EPN 71A/B) shall not equal or exceed 40 tons per year (tpy).
(8) The annual VOC (including VCM) emissions for Dryer/Centrifuge No. 3 (EPN 72A/B) shall not equal or exceed 40 tpy.
(9) The annual VCM emissions shall not exceed 11 tpy.

* 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

** Annual emissions are based on a rolling 12-month average.

Dated December 6, 2010