EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 19618

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 **
901	Initiator Drum Condenser	VOC	3.29	2.09
902	Inhibitor Drum Condenser	VOC	6.74	0.86
903	Stopper Drum Condenser	VOC	6.83	0.15
904	Phosphoric Acid Drum Condenser	VOC	1.31	0.25
945	Baghouse (Dry Grinding)	VOC	3.51	0.17
		Methyl Acetate	0.01	0.01
		PM	0.01	0.02
946	Baghouse (Dry Grinding)	VOC	3.51	0.17
		Methyl Acetate	0.01	0.01
		PM	0.01	0.02
947	Baghouse (Dry Grinding)	VOC	0.31	0.19
		Methyl Acetate	0.01	0.01
		PM	0.02	0.05
948	Baghouse (Dry Grinding)	VOC	0.31	0.19
		Methyl Acetate	0.01	0.01
		PM	0.02	0.05
951	Baghouse (Product Silo)	VOC	0.23	0.34
		Methyl Acetate	0.01	0.01
		PM	0.08	0.10

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
955	Baghouse (House Vacuum Systems)	VOC	0.02	0.04
		Methyl Acetate	0.01	0.01
		PM	0.14	0.03
956	Baghouse (Product Silo)	VOC	0.23	0.34
		Methyl Acetate	0.01	0.01
		PM	0.08	0.10
957	Baghouse (Product Silo)	VOC	0.23	0.34
		Methyl Acetate	0.01	0.01
		PM	0.08	0.10
982	Storage Tank (Methanol)	VOC	0.51	1.20
		Methyl Acetate	0.01	0.02
983	Storage Tank (Methanol)	VOC	0.49	1.30
		Methyl Acetate	0.01	0.03
984	Storage Tank (Seal Flush)	VOC	1.26	2.82
		Methyl Acetate	0.51	1.15
985	Storage Tank (Mother Liquor)	VOC	0.73	2.29
		Methyl Acetate	1.38	5.34
986	Storage Tank (Mother Liquor)	VOC	0.73	2.29
		Methyl Acetate	1.38	5.34
989	Storage Tank (Vinyl Acetate)	VOC	1.11	2.79
		Methyl Acetate	0.45	1.13
1011	Tank (Wastewater)	VOC	2.88	2.53
		Methyl Acetate	2.67	3.43

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
987	Storage Tank 10.80 (Acetic Acid) Scrubber	VOC	0.17	0.02
900-FUG	Fugitives (PVOH Plant) (4)	VOC	8.06	35.29
		Methyl Acetate	3.01	13.20
1012	Flare	VOC	11.59	4.35
		Methyl Acetate	29.75	11.16
		NO_x	2.30	0.90
		CO	19.74	7.69
		SO_2	0.21	0.09
900-BOWW	Saponification Boilout Wastewater	VOC	24.10	0.72
		Methyl Acetate	5.40	0.10
900-1070	Tank 10.70	VOC	0.08	0.24
		Methyl Acetate	0.87	3.00
1001	Fugitives Catalyst Freezer (4)	Refrigerant R-404A	1.07	4.70
900-72.01	Cooling Tower	VOC	1.13	5.00
1002	Fugitives Chiller (4)	Refrigerant R-22	0.76	3.32

(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, 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 particulate matter greater than 10 microns is emitted.
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code ' 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
CO - carbon monoxide
NaOH - sodium hydroxide

(4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.

* 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

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

Dated February 2, 2009