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	VOC	0.724	0.90
902	Inhibitor Drum	VOC	1.09	0.34
903	Stopper Drum	VOC	1.34	0.08
904	Phosphoric Acid Drum	VOC	0.37	0.14
945	Baghouse (Dry Grinding)	VOC	3.51	0.16
		Methyl Acetate	0.01	0.01
		PM	0.01	0.04
946	Baghouse (Dry Grinding)	VOC	3.51	0.16
		Methyl Acetate	0.01	0.01
		PM	0.01	0.04
947	Baghouse (Dry Grinding)	VOC	0.04	0.05
		Methyl Acetate	0.01	0.01
		PM	0.03	0.17
948	Baghouse (Dry Grinding)	VOC	0.04	0.05
		Methyl Acetate	0.01	0.01
		PM	0.03	0.17
951	Baghouse (Product Silo)	VOC	0.18	0.06
		Methyl Acetate	0.01	0.01
		PM	0.08	0.11
955	Baghouse (House Vacuum Systems)	VOC	0.01	0.01
		Methyl Acetate	0.01	0.01
		PM 0.21	0.01	

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
956	Baghouse (Product Silo)	VOC	0.26	0.19
		Methyl Acetate	0.01	0.01
		PM	0.19	0.22
957	Baghouse (Product Silo)	VOC	0.26	0.19
		Methyl Acetate	0.01	0.01
		PM	0.19	0.22
982	Storage Tank (Methanol)	VOC	0.25	0.47
		Methyl Acetate	0.01	0.01
983	Storage Tank (Methanol)	VOC	0.29	1.18
		Methyl Acetate	0.01	0.01
984	Storage Tank (Seal Flush)	VOC	0.39	1.40
		Methyl Acetate	0.60	2.27
985	Storage Tank (Mother Liquor)	VOC	0.42	1.57
		Methyl Acetate	1.38	5.73
986	Storage Tank (Mother Liquor)	VOC	0.43	1.57
		Methyl Acetate	1.38	5.73
988	Storage Tank (Caustic)	NaOH	0.001	0.001
989	Storage Tank	VOC	0.25	0.67
		Methyl Acetate	0.01	0.01
1011	Tank (Wastewater)	VOC	0.16	0.85
		Methyl Acetate	1.89	0.76
987	Vent Scrubber	VOC	0.01	0.01
900-PFUG	Fugitives, Non-HON (4)	VOC	6.91	30.64
		Methyl Acetate	1.77	7.74
900-HFUG	Fugitives, HON (4)	VOC	0.53	2.26

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		Methyl Acetate	0.41	1.78
1012	Flare	VOC	14.38	5.40
		Methyl Acetate	24.60	9.23
		NO_x 1.04	0.39	
		CO	8.90	3.34
		SO_2	0.01	0.01
900-BOWW	Saponification Boilout Wastewater	VOC	24.10	0.62
		Methyl Acetate	5.40	0.07
900-1070	Tank 10.70	VOC	0.06	0.20
		Methyl Acetate	0.66	2.03
1001	Fugitives (4)	Refrigerant R-404A	0.17	0.76
900-72.01	Cooling Tower	VOC	1.13	5.00
1002	Fugitives (4)	Refrigerant R-22	0.31	1.35

The following limits apply until October 1, 2004:

1011	Tank (Wastewater)	VOC	0.53	0.85
		Methyl Acetate	0.47	0.76
900-BOWW	Saponification Boilout Wastewater	VOC	200	2.65
		Methyl Acetate	50	0.40
900-BOVNT1	Saponification Boilout (5) Vent	VOC	300	2.61
		Methyl Acetate	150	0.73
900-BOVNT2	Saponification Boilout (5) Vent	VOC	300	2.61
		Methyl Acetate	150	0.73

(1) Emission point identification - either specific equipment designation or emission point number

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

(5) 900-BOVNT1 and 900-BOVNT2 shall not have emissions at the same time.

* 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 _____