

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 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 *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	
<u>TPY</u>				
901	Initiator Drum	VOC	0.724	0.742
902	Inhibitor Drum	VOC	1.202	0.281
903	Stopper Drum	VOC	1.338	0.075
904	Phosphoric Acid Drum	VOC	0.373	0.118
974	Analyzer Drum	VOC	0.038	0.005
945	Baghouse (Dry Grinding)	VOC	3.52	0.156
		PM	0.092	0.276
946	Baghouse (Dry Grinding)	VOC	3.520	0.156
		PM	0.092	0.276
947	Baghouse (Dry Grinding)	VOC	0.012	0.016
		PM	0.030	0.097
948	Baghouse (Dry Grinding)	VOC	0.012	0.016
		PM	0.030	0.097
951	Baghouse (Product Silo)	VOC	0.046	0.032
		PM	0.192	0.029
955	Baghouse (House Vacuum Systems)	VOC	0.004	<0.002
		PM	0.120	0.001
956	Baghouse (Product Silo)	VOC	0.073	0.096
		PM	0.552	0.535

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<u>TPY</u>				
957	Baghouse (Product Silo)	VOC	0.073	0.096
		PM	0.552	0.535
982	Storage Tank (Methanol)	VOC	0.158	0.121
983	Storage Tank (Methanol)	VOC	0.204	0.603
984	Storage Tank (Seal Flush)	VOC	0.657	0.186
985	Storage Tank (Mother Liquor)	VOC	0.245	0.819
986	Storage Tank (Mother Liquor)	VOC	0.245	0.819
988	Storage Tank (Caustic)	NaOH	<0.001	<0.001
989	Storage Tank	VOC	0.243	0.246
1011	Tank (Wastewater)	VOC	0.227	0.401
987	Vent Scrubber	VOC	<0.001	<0.001
908	Fugitives (4)	VOC	0.776	3.400
922	Fugitives (4)	VOC	0.867	3.800
933	Fugitives (4)	VOC	0.548	2.400
934	Fugitives (4)	VOC	4.698	20.576
972	Fugitives (4)	VOC	0.184	0.805
973	Fugitives (4)	VOC	1.369	5.998
991	Fugitives (4)	VOC	0.318	1.392

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<u>TPY</u>				
992	Fugitives (4)	VOC	0.283	1.240

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TPY				
1001	Fugitives (4)	Refrigerant R-404A	0.173	0.760
1002	Fugitives (4)	Refrigerant R-22	0.309	1.350
1006	Boiler Feed Fugitives (4)	VOC	0.079	0.344
1012 use	Emergency Flare	VOC	Emergency/Backup	
	Fugitives (4)	NO _x CO SO ₂		
1007 use	Emergency Flare	VOC	Emergency/Backup	
	Fugitives (4)			

- (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
NaOH - sodium hydroxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

* 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

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<u>TPY</u>			

Dated _____