

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 55239 and N126

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)	<u>Emission Rates (5)</u> lb/hr	
<u>TPY(6)</u>				
15-3-1	T-6600 Scrubber	Acrylic Acid	1.66	7.25
		Isopropanol (7)	1.19	5.21
		Propanediol (7)	0.90	3.94
15-3-2	Central Dust Collection	PM	0.33	0.73
15-3-3	Outlet Pneumatics Line Train 1	PM	1.16	2.23
15-3-4	Outlet Pneumatics Line Train 2	PM	1.15	2.20
15-3-5	Outlet Pneumatics Line Train 3	PM	1.15	2.20
15-3-6 (8)	Acrylic Acid Tank	Acrylic Acid	0.09	0.41
15-3-7	Propanediol Tank	Propanediol	0.01	0.01
15-3-8	Isopropanol Tank	Isopropanol	0.01	0.05
15-3-9	ETMPTA Tank	ETMPTA	0.01	0.01
15-3-10	SiperNat Bagging	PM	0.22	0.83
15-3-11	Waste Water Tank	Isopropanol	0.10	0.01
		Sodium Acrylate	0.01	0.01
15-3-12	Chilled Water/EG Tank	Ethylene Glycol	0.01	0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
15-3-13	Neutralization Tank	Acrylic Acid	0.13	0.01
		Sodium Acrylate	0.01	0.01
15-3-FUGS	Fugitives (4)	Acrylic Acid	0.07	0.32
		Isopropanol	0.05	0.22
15-3-RECFUG	Isopropanol Recovery System Fugitives (4)	Isopropanol	0.03	0.13

- (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 PM₁₀
PM₁₀ - 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.
ETMPTA - ethoxylated trimethylolpropane triacrylate
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) 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
- (6) Compliance with annual emission limit is based on a rolling 12-month period.
- (7) The maximum combined VOC emission rate for Isopropanol and Propanediol is 1.19 lbs/hr and 5.21 tpy.
- (8) After completion of the construction authorized by this permit as amended, the emissions from the acrylic acid tank will be routed to the T-6600 Scrubber and this emission point will no longer be authorized.

Date January 7, 2011