

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 19014

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	Emission Rates *(3)	
			lb/hr	TPY
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EPN-1	Reactor Absorber 1	Acetone (5)	1.14	4.98
		Acetone	0.67	2.91
EPN-1A	Reactor Absorber 2	Acetone (5)	1.14	4.98
		Acetone	0.67	2.91
EPN-2	Serum Absorber	Acetone	3.88	17.01
EPN-3	Dryer Vent	Acetone	3.46	15.16
EPN-4	Storage Tank Absorber	Acetone	0.60	2.64
EPN-5	Dissolving Tank Absorber	Acetone	0.03	0.13
EPN-6	Maintenance Blower	Acetone	0.03	0.14
EPN-8	Process Fugitives (4)	Acetone	2.30	10.01
EPN-9	Vacuum Pump Separator	Acetone	0.01	0.05
EPN-10	Area Source No. 1	Acetone	3.51	15.39
EPN-11	Area Source No. 2	Acetone	1.10	4.81
EPN-12	Area Source No. 3	Acetone	0.46	2.00
EPN-7	Cooler Vent (6)	Acetone		
EPN-13	Inclined Sheet Cooler Vent	Acetone		

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name	Emission Rates *(3)	
			lb/hr	TPY
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EPN-14	Intermediate Sheet Cooler Vent	Acetone		
EPN-15	Air Knives Sheet Cooler Vent	Acetone		
Emission Cap for EPN-7, EPN-13, EPN-14, EPN 15			0.39	1.72

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source name.
- (3) Emissions rates based on 78,318,521 pounds of acetone charged per year.
- (4) Fugitive emissions are an estimate only and should not be considered a maximum allowable emission rate.
- (5) The emission rate is applicable until the completion of new reactor and the new Absorber (EPN 1-A), and in the event that one of the reactors Absorbers (EPN-1 or 1A) is out of service for maintenance.
- (6) EPN-7 is to be used only when the water-cooled sheet cooler associated with EPN-13, EPN-14 and EPN-15 is down for maintenance and the facility is operating with the standby air cooled sheet cooler. At no time shall EPN-7 operate while the water cooled sheet cooler (EPN-13, EPN-14, and EPN-15) is operational.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

_____ Hrs/day _____ Days/week _____ Weeks/year or 8,760 Hrs/year

** Compliance with annual emission limits is based on a rolling 12-month period as per Special Condition No. 6.

Dated October 11, 2006