

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. **(3/10)**

AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name | Emission Rates *(3) | |
|--|--------------------------------|----------------------|---------------------|-------|
| | | | lb/hr | TPY |
| ** - | | | | |
| EPN-1 | Reactor Absorber 1 | Acetone | 1.14 | 4.98 |
| EPN-2 | Serum Absorber | Acetone | 2.72 | 11.93 |
| EPN-3 | Dryer Vent | Acetone | 2.43 | 10.64 |
| EPN-4 | Storage Tank Absorber | Acetone | 0.45 | 1.99 |
| EPN-5 | Dissolving Tank Absorber | Acetone | 0.03 | 0.10 |
| EPN-6 | Maintenance Blower | Acetone | 0.02 | 0.10 |
| EPN-8 | Process Fugitives (4) | Acetone | 2.18 | 9.53 |
| EPN-9 | Vacuum Pump Separator | Acetone | 0.01 | 0.04 |
| EPN-10 | Area Source No. 1 | Acetone | 2.65 | 11.62 |
| 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 (5) | Acetone | | |
| EPN-13 | Inclined Sheet Cooler Vent | Acetone | | |
| EPN-14 | Intermediate Sheet Cooler Vent | Acetone | | |
| EPN-15 | Air Knives Sheet Cooler Vent | Acetone | | |
| Emission Cap for EPN-7, EPN-13, EPN-14, and EPN 15 | | | 0.30 | 1.30 |

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- (1) Emission point identification - either specific equipment designation or emission point number (EPN) from a plot plan.
- (2) Specific point source name.
- (3) Emissions rates based on 59,135,158 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 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 June 8, 2010