

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

16810

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)	Name (3)	Air Contaminant lb/hr	TPY	<u>Emission Rates *</u>	
<u>Fluvalinate Production</u>						
C-809	Dust Collector			PM10	0.02	0.10
D-801 and 802	Scrubbers			VOC	3.06	13.44
FUG-1	Fugitives (4)			VOC	1.16	5.07
<u>Barricade T Production</u>						
C-809	Dust Collector			PM10	0.02	0.10
D-801 and 802	Scrubbers			VOC	3.04	13.60
FUG-1	Fugitives (4)			VOC	1.21	5.30
<u>IGR Process</u>						
D-801 and D-802	Scrubbers			TSP	0.04	0.16
				PM10	0.04	0.16
				VOC	0.01	0.04
				Hexane	0.23	1.00
				Toluene	0.01	0.02
				Methanol	0.16	0.68
FUG-1	Fugitives (4)			VOC	1.21	5.30
FUG-2	Fugitives (4)			TSP	0.03	0.13
				PM10	0.03	0.13

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY

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### AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
<u>CF/RCAA Process</u>				
D-801 and D-802	Scrubbers	TSP	0.04	0.16
		PM10	0.04	0.16
		VOC	<.01	0.02
		Hexane	0.10	0.43
		NH3	<.01	0.02
FUG-1	Fugitives (4)	VOC	1.21	5.30
FUG-2	Fugitives (4)	TSP	0.04	0.19
		PM10	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 - total suspended particulate including PM10  
PM10 - particulate matter less than 10 microns  
VOC - volatile organic compounds as defined in General Rule 101.1  
NH3 - ammonia
- (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

Maximum production rates as follows:

<u>Products</u>	<u>Hourly Rates (lb/hr)</u>	<u>Annual Rates (tpy)</u>
RCAA/NMP**	3,741.0 lbs/65 hr. batch	253
Methoprene	1,881 lbs/34 hr. batch	243
Hydroprene	1,791 lbs/34 hr. batch	231
Kinoprene	1,857 lbs/34 hr. batch	240
Fluvalinate	220 lbs/hr	150,000 lbs/yr
Barricade T	220 lbs/hr	150,000 lbs/yr

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			lb/hr	TPY

\*\* RCAA - (R)-2-2[2-chloro-4-(trifluoromethyl) anilino]-3-methylbutanoic acid  
NMP - N-methylpyrrolidone