

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

21233

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*</u> #/hr TPY	
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### **Building 12-19**

12-19 FUG	Fugitives (4)	VOC	9.6	2.80
SROTOCLONE	South Rotoclone	VOC	10.3	1.45
		PM	0.10	<0.10
NROTOCLONE	North Rotoclone	VOC	67.0	11.25
		PM	0.10	<0.10

### **Building 11-36 H.E. Synthesis Facility**

(Effective until Building 11-55 H.E. Synthesis Facility is fully operational. Deleted upon full operations at Building 11-55).

Scrubber	Vent Scrubber	VOC	52.00	4.50
		PM	0.10	<0.10
FLRSWP	Floor Sweeps	VOC	4.10	0.30
VACKST	Vacuum Pump Exhaust	VOC	2.55	<0.10
MT	Measuring Tank	VOC	0.55	<0.10
WT 1	Waste Trailer 1	VOC	1.20	<0.10
WT 2	Waste Trailer 2	VOC	1.20	<0.10
WT 3	Waste Trailer 3	VOC	1.20	<0.10
WT 4	Waste Trailer 4	VOC	1.20	<0.10

**Building 11-55 H.E. Synthesis Facility**

PS1	Dust Collector 1 Stack	VOC	8.20	1.60
		PM	<0.10	<0.10
		NH3	<0.10	<0.10
		HCl	<0.10	<0.10

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Name (3)	Air Contaminant lb/hr	TPY	Emission Rates *	
<b><u>Building 11-55 H.E. Synthesis Facility</u></b> (continued)						
PS2	Dust Collector 2 Stack		VOC	8.20	1.60	
			PM	<0.10	<0.10	
			NH3	<0.10	<0.10	
			HCl	<0.10	<0.10	
PS3	Dust Collector 3 Stack		VOC	2.10	<0.10	
			PM	<0.10	<0.10	
			NH3	<0.10	<0.10	
			HCl	<0.10	<0.10	
PS4	Condenser Stack		VOC	2.10	<0.10	
			PM	<0.10	<0.10	
			NH3	<0.10	<0.10	
			HCl	<0.10	<0.10	
TK1	DPM Storage Tanks		VOC	3.80	0.20	
			NH3	0.20	0.20	
			HCl	0.20	<0.10	
TK2	DPM Storage Tanks		VOC	3.80	0.20	
			NH3	0.20	0.20	
			HCl	0.20	<0.10	
TK3	DPM Storage Tanks		VOC	3.80	0.20	
			NH3	0.20	0.20	
			HCl	0.20	<0.10	
TK4	DPM Storage Tanks		VOC	3.80	0.20	
			NH3	0.20	0.20	
			HCl	0.20	<0.10	
SEG	Diesel Generator		VOC	<0.10	<0.10	
			PM	<0.10	<0.10	
			CO	0.10	<0.10	
			NOx	0.50	<0.10	
			Aldehydes	<0.10	<0.10	
			SO2	<0.10	<0.10	
VPC	Vacuum Pump Condensate		VOC	<0.10	<0.10	
Com Fug	Fugitives (4)		VOC	<0.10	0.40	
			NH3	<0.10	<0.10	

HCl

<0.10

<0.10

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (2) Specific point source name. For fugitive sources use area name or fugitive source name.
- (3) NH<sub>3</sub> - ammonia  
CO - carbon monoxide  
HCl - hydrogen chloride  
NO<sub>x</sub> - total oxides of nitrogen  
SO<sub>2</sub> - sulfur dioxide  
VOC - volatile organic compounds as defined in General Rule 101.1  
PM - particulate matter
- (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, **per year, per facility:**

Hrs/day\_\_\_\_Days/week\_\_\_\_Weeks/year\_\_\_\_or Hrs/year 8,760