

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

3619

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
1	Oxidizer Scrubber	Diglyme	<0.01	<0.01
		Pyridine	0.55	1.56
		NH3	13.10	20.56
2	Decomposer Scrubber	Diglyme	<0.01	<0.01
		Pyridine	0.96	2.45
		NH3	1.29	3.22
3 ONLY	Centrifuge Off-Gas	MAINTENANCE/EMERGENCY USE		
4	Sludge Filter	Diglyme	2.70	11.34
		Pyridine	0.01	0.042
		NH3	0.110	0.462
5 ONLY	Process Vents	MAINTENANCE/EMERGENCY USE		
6 ONLY	Process Vents	MAINTENANCE/EMERGENCY USE		
7 ONLY	Sodium Dissolving	MAINTENANCE/EMERGENCY USE		
10	Sodium Transfer System	Na	<0.01	<0.01
11	Vacuum Still No. 2	Diglyme	<0.01	<0.01
12	No. 4 Reactor Feed Two Absorbers	MeCl	0.438	1.92

13	Hold Tanks	Bipyridyl	0.438	1.75
17	Dryer	MeCl ₂	<0.01	<0.01
18	Decon. Scrubber	NH ₃	<0.01	<0.01
		Pyridine	<0.01	<0.01
19A	Formulation Vessel A	MeCl	51.2	21.4
		MeOH	10.9	4.53

Emission Name (3)	Source #/hr TPY	Air Contaminant	Emission Rates*	Point No. (1)	Name (2)
19B		Formulation Vessel B	MeCl MeOH	51.2 10.9	21.4 4.53
50		2 Steam Boilers	PM10 VOC NOx SO2 CO	0.28 0.16 7.84 0.04 1.96	1.22 0.69 34.4 0.15 8.59
51 ONLY		Emergency Generator	MAINTENANCE/EMERGENCY USE		
52		Product Tank	Paraquat	<0.01	<0.01
53		Product Tank	Paraquat	<0.01	<0.01
54		Product Tank	Paraquat	<0.01	<0.01
55		Product Tank	Paraquat	<0.01	<0.01
56		Product Tank	Paraquat	<0.01	<0.01
71		Expansion Tank	MeCl2	0.04	0.20
74 ONLY		Wet Vents Scrubber	MAINTENANCE/EMERGENCY USE		
75 ONLY		Dry Vents Scrubber	MAINTENANCE/EMERGENCY USE		
76		Drumming Scrubber	Bipyridyl	<0.01	0.50
80		Dust Filter	PM10	<0.01	<0.01
81		Carbon Bed	Valeric Acid	<0.01	<0.01
86		Cooling Tower (4)	VOC	0.59	2.58
87		Product Tank	Paraquat	<0.01	<0.01

88	Product Tank	Paraquat	<0.01	<0.01
AREA-1	Fugitives (4)	NH3	0.11	0.48
		Pyridine	0.16	0.69
		Digylme	0.12	0.53
		MeCl	0.21	0.90
		MeCl2	0.20	0.84

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- (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) VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
PM₁₀ - particulate matter less than 10 microns
CO - carbon monoxide
NH₃ - ammonia
Na - sodium
MeCl - methyl chloride
MeCl₂ - methylene chloride
MeOH - methanol
- (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