

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

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

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Permit No. 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.

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates*</u>	
			lb/hr	TPY
1	Oxidizer Scrubber	Diglyme	<0.01	<0.01
		Pyridine	0.55	1.56
		NH ₃	13.10	20.56
2	Decomposer Scrubber	Diglyme	<0.01	<0.01
		Pyridine	0.96	2.45
		NH ₃	1.29	3.22
3	Centrifuge Off-Gas Scrubber	MAINTENANCE/EMERGENCY USE ONLY		
5	Process Vents Scrubber	MAINTENANCE/EMERGENCY USE ONLY		
6	Dimerizer Scrubber	MAINTENANCE/EMERGENCY USE ONLY		
7	Sodium Dissolving Scrubber	MAINTENANCE/EMERGENCY USE ONLY		

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10	Sodium Transfer System	Na	<0.01	<0.01
11	Vacuum Still No. 2 Pump Exhaust	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
51	Emergency Generator	MAINTENANCE/EMERGENCY USE ONLY		
52	Product Tank 28-0932-1	Paraquat	< 0.01	< 0.01
53	Product Tank 28-0932-2	Paraquat	<0.01	<0.01
54	Product Tank 28-0932-3	Paraquat	<0.01	<0.01
55	Product Tank 28-0933-1	Paraquat	<0.01	<0.01
56	Product Tank 28-0933-2	Paraquat	<0.01	<0.01
71	Expansion Tank	MeCl ₂	0.04	0.20
74	Wet Vents Scrubber	MAINTENANCE/EMERGENCY USE ONLY		
75	Dry Vents Scrubber	MAINTENANCE/EMERGENCY USE ONLY		
76	Drumming Scrubber	Bipyridyl	<0.01	0.02
81	Carbon Bed	Valeric Acid	<0.01	<0.01

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86	Cooling Tower (4)	VOC	0.59	2.58
87	Product Tank 28-0960	Paraquat	<0.01	<0.01
88	Product Tank 28-0961	Paraquat	<0.01	<0.01
89	Flameless Thermal Oxidizer	MeCl	<0.01	0.02
		MeOH	<0.01	0.01
		HCl	<0.01	0.03
		NO _x	0.04	0.16
		CO	0.04	0.19
AREA-1	Fugitives (4)	NH ₃	0.11	0.48
		Pyridine	0.61	2.68
		Digylme	1.32	5.78
		MeCl	0.36	1.58
		MeCl ₂	0.63	2.79

(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) NH₃ - ammonia
Na - sodium
MeCl - methyl chloride
MeCl₂ - methylene chloride
VOC - volatile organic compounds as defined in 30 TAC Section 101.1
HCl - hydrogen chloride
MeOH - methanol
NO_x - total oxides of nitrogen
CO - carbon monoxide

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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* 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

Dated _____