

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

1834

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		Air Contaminant		Emission Rates *	
	Name (2)	Name (3)	lb/hr	TPY		
LN-01	Vapor Incinerator		VOC	2.0	1.0	
			NO _x	323.0	31.6	
			SO ₂	60.0	74.0	
			HCl	37.0	7.3	
LN-03	Wet Methylene Chloride Tank (4)		MeCl ₂	42.0	10.0	
LN-04	Hot Brine Tank		VOC	2.0	1.4	
LN-05	Process Vent		MeCl ₂	40.0	41.0	
LN-06	Methanol Tank		VOC	10.0	2.5	
LN-07	Cold Brine Tank		VOC	2.0	1.0	
LN-08	Hydrogen Chloride Tank (5) before 10/31/94		HCl	5.0	0.2	
			HCl	1.0	0.01	
LN-11	Ammonia Tank (5) before 10/31/94		NH ₃	8.0	0.4	
			NH ₃	0.5	0.4	
LN-12	Acetaldoxime Tank		VOC	1.0	0.3	
LN-13	Dust Collector		PM ₁₀	0.02	0.1	
LN-21F	Fugitives (6)		VOC	1.63	7.18	
			Methyl			

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Mercaptan	0.23	1.02
Propyl		
Mercaptan	0.05	0.23
Cl ₂	0.02	0.08
HCl	0.02	0.08

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	lb/hr	<u>Emission Rates *</u> TPY	
LN-22	Acetaldoxime Mix Tank	VOC		11.5	0.4
LN-23	Process Heater	NO _x		0.3	1.3
		SO ₂		0.2	0.7
		CO		0.1	0.3
LN-24	Vapor Incinerator	VOC		1.0	1.0
		NO _x		3.8	16.5
		SO ₂		0.3	1.5
		CO		0.05	0.2
		HCl		4.0	9.4
LN-25	Acetic Acid Storage Tank	VOC		3.01	0.2
LN-30	Oxamyl Product Packaging	VOC		1.8	3.0
LN-31	Cyclohexanone	VOC		1.2	0.1

- (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) PM₁₀ - particulate matter less than 10 microns
VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
CO - carbon monoxide
HCl - hydrogen chloride

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NH₃ - ammonia
Cl₂ - chlorine
MeCl₂ - methylene chloride

- (4) This emission point will be eliminated October 31, 1994.
- (5) Projects to reduce rates must be completed by October 31, 1994.
- (6) 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

Revised_____