

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 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-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-11	Ammonia Tank (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 (5)		VOC		1.63	7.18
		Methyl Mercaptan	0.23		1.02	
		Propyl Mercaptan	0.05		0.23	
			Cl ₂		0.02	0.08
			HCl		0.02	0.08
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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

NO _x	3.8	16.5
SO ₂	0.3	1.5
CO	0.05	0.2
HCl	4.0	9.4

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES
AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	lb/hr	<u>Emission Rates *</u> TPY	
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
NH₃ - ammonia
Cl₂ - chlorine
MeCl₂ - methylene chloride
- (4) Indicated emission rates are effective November 1, 1994.
- (5) 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

Dated_____