

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 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 Name (2)	Air Contaminant Name (3)	Emission Rates*	
			lb/hr	TPY
LN-01	Vapor Incinerator	VOC	2.0	1.0
		NO _x	316.0	31.6
		SO ₂	58.0	74.0
		CO	0.6	2.8
		HCl	34.0	7.3
		NH ₃	0.57	0.25
LN-04	Hot Brine Tank	VOC	0.16	0.09
LN-05	Process Vent	Methylene Chloride	30.5	37.9
LN-06	Methanol Tank	VOC	9.35	1.26
LN-07	Cold Brine Tank	VOC	0.11	0.06
LN-11	Ammonia Tank	NH ₃	0.76	0.07
LN-12	Acetaldoxime Tank	VOC	0.57	0.2
LN-13	Dust Collector	PM ₁₀	0.01	0.05
LN-15	Dust Collector	PM ₁₀	<0.001	0.001
LN-21F	Fugitives (4)	VOC	2.12	9.05
		Methyl Mercaptan	0.05	0.23
		Propyl Mercaptan	0.02	0.07
		Chlorine	0.01	0.09
		HCl	0.23	0.33
		NH ₃	0.13	0.59

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
LN-22	Acetaldoxime Mix Tank	VOC	1.4	0.1
LN-23	Process Heater	VOC	0.02	0.07
		NO _x	0.3	1.3
		SO ₂	<0.01	<0.01
		CO	0.25	1.1
		PM ₁₀	0.02	0.1
LN-24	Vapor Incinerator	VOC	1.0	1.0
		NO _x	3.8	16.5
		SO ₂	<0.01	0.2
		CO	0.6	2.7
		HCl	4.0	9.4
LN-25	Acetic Acid Storage Tank	VOC	0.7	0.02

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources use area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 NO_x - total oxides of nitrogen
 SO₂ - sulfur dioxide
 CO - carbon monoxide
 PM - particulate matter, suspended in the atmosphere, including PM₁₀
 PM₁₀ - Particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.

 HCl - hydrogen chloride
 NH₃ - ammonia
- (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/year 8,760

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

Dated May 7, 2004