

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 22914

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
LOAD-L	Pan Area (Liquids Loading)	VOC	5.31	2.30
		H ₂ O ₂	0.03	0.005
		NH ₄ NO ₃	0.01	0.003
		Urea	0.008	0.002
		NH ₃	<0.001	<0.001
		CRA	0.003	0.002
LOAD-S	Vacuum Pump Discharge (Solids Loading)	PM ₁₀	0.668	0.44
SCRUBBER1	Fume Scrubber 1	HCl	0.02	0.007
		H ₂ SO ₄	<0.001	<0.001
		H ₃ PO ₄	<0.001	<0.001
		VOC	0.02	0.005
SCRUBBER2	Fume Scrubber 2	FeCl ₂	<0.001	<0.001
		FeCl ₃	<0.001	<0.001
DIESL-TK1	Diesel Tank	VOC	<0.001	<0.001
BOILER1	Boiler	VOC	0.003	<0.001
		NO _x	0.29	0.05
		CO	0.07	0.01
		SO ₂	0.61	0.11
		PM ₁₀	0.01	<0.01

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Emission	Source	Air Contaminant	Emission	Rates
Point No. (1)	Name (2)	[*] Name (3)	lb/hr	TPY
FUGITIVES	Piping Fugitives (4)	VOC	0.24	0.18
		HCl	<0.001	<0.001
		H ₂ O ₂	0.009	<0.001
		H ₃ PO ₄	<0.001	<0.001
		H ₂ SO ₄	0.001	<0.001
		NH ₄ NO ₃	<0.001	<0.001
		Urea	<0.001	<0.001
		NH ₃	0.001	<0.001
		NaOH	<0.001	<0.001
		Corn Syrup	<0.001	<0.001
		Latex	<0.001	<0.001
		NaSi	<0.001	<0.001
		Beet Molasses	<0.001	<0.001
		Kaolin Liquid	<0.001	<0.001
		TiO ₂	<0.001	<0.001
		CO ₂	<0.001	<0.001

- (1) Emission point identification - either specific equipment designation or emission point number from 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
- HCl - hydrogen chloride
- H₂O₂ - hydrogen peroxide
- H₃PO₄ - phosphoric acid (in aqueous solution)
- H₂SO₄ - sulfuric acid (in aqueous solution)
- NH₄NO₃ - ammonium nitrate (in urea ammonium nitrate aqueous solution)
- NH₃ - ammonia (in urea ammonium nitrate aqueous solution)
- NaOH - sodium hydroxide (in aqueous solution)
- CRA - cresylic acid
- PM₁₀ - particulate matter (PM) 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.
- FeCl₂ - ferrous chloride
- FeCl₃ - ferric chloride
- NO_x - nitrogen oxides
- CO - carbon monoxide
- SO₂ - sulfur dioxide
- NaSi - sodium silicate (in aqueous solution)
- TiO₂ - titanium dioxide (in aqueous solution)

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CO₂ - carbon dioxide

(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

Dated June 27, 2003