

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 1618

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)	<u>Emission Rates *</u>	
			lb/hr	TPY
EPN1	Maskant Spray Booth	PM	0.53	0.33
		PM ₁₀	0.53	0.33
		Cl ₂ C:CCl ₂	19.40	9.69
		Naphtha	1.45	0.64
		C ₆ H ₄ (CH ₃) ₂	0.46	0.20
EPN2	Sludge Dryer Vent	PM	0.01	0.02
		PM ₁₀	0.01	0.01
EPN5	Caustic Chemical Mill	PM	0.01	0.02
		PM ₁₀	0.01	0.02
		Al	<0.01	<0.01
		Arsenic	<0.01	<0.01
		C+6	<0.01	<0.01
		Cu	<0.01	0.01
		Mn	<0.01	<0.01
		Ni	<0.01	<0.01
		NaOH	0.01	0.02
EPN6	Scrubber No. 1	HCl	<0.01	<0.01
		HF	<0.01	<0.01
		HNO ₃	<0.01	0.01
		NO _x	0.39	1.33
EPN7	Scrubber No. 2	HCl	0.01	0.05
		HF	0.01	0.03
		HNO ₃	0.08	0.26
		NO _x	5.44	18.67
EPN8	Scrubber No. 3	HF	0.23	0.78
		HNO ₃	0.06	0.24

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NO_x 0.88 3.02

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
EPN9	HCl Storage Tank	HCl	0.02	0.10
EPN10	HNO ₃ Storage Tank	HNO ₃	0.01	0.03
FUG1	Maskant Fugitives (4)	CH ₃ COOH	0.25	0.58
		CH ₃ COCH ₃	0.02	0.02
		MEK	4.05	6.32
		Naphtha	0.01	0.02
		Cl ₂ C:CCl ₂	<0.01	<0.01
		C ₆ H ₅ CH ₃	1.39	2.17
		C ₆ H ₄ (CH ₃) ₂	<0.01	0.01

(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) PM - particulate matter, suspended in the atmosphere, including PM₁₀

PM₁₀ - particulate matter less than or equal to 10 microns. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.

ClC₂:CCl₂ - perchloroethylene

C₆H₄(CH₃)₂ - xylene

Al - aluminum

C+6 - chromium VI

Cu - copper

Mn - manganese

Ni - nickel

NaOH - sodium hydroxide

HCl - hydrochloric acid

HF - hydrofluoric acid

HNO₃ - nitric acid

NO_x - total oxides of nitrogen

CH₃COOH - acetic acid

CH₃COCH₃ - acetone

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MEK - methyl ethyl ketone
 $C_6H_5CH_3$ - toluene

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(4) Fugitive emissions are an estimate only .

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day 24 Days/week 6 Weeks/year 52 or Hrs/year 7,488

Chemical usage stated in Special Condition No. 1.

Dated _____