

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 34017

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
FUG105-1	Compression Area Component Fugitives (4)	MCB/DCB	0.01	0.06
		HCl	0.04	0.19
FUG105-2	Purification Area Component Fugitives (4)	MCB/DCB	0.09	0.38
		Phosgene	<0.01	<0.01
		HCl	0.06	0.26
FUG-110/115	Areas 110 and 115 Component Fugitives (4)	HCl	0.08	0.35
M-048	Off-Gas Incinerator/Scrubber	VOC	0.50	2.00
		NO _x	0.50	2.00
		CO	0.30	1.20
		SO ₂	<0.01	<0.01
		HCl	1.25	2.50
		Cl ₂	0.50	2.00
FV11514000	Caustic Fume Scrubber 110-121	VOC	0.21	0.92
		HCl	0.08	0.35
FT10512100	Lube Oil Rundown Tank 105-121	VOC	<0.01	<0.01
FT10512200	Lube Oil Rundown Tank 105-122	VOC	<0.01	<0.01
105LOADING	Solvent Truck Loading Rack Uncollected Fugitives	VOC	0.07	<0.01
FV120160	Chlorine Scrubber	Cl ₂	0.01	0.04

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			lb/hr	TPY
FUG-120/125	Chlorine Unloading/Electrolysis Unit Component Fugitives (4)	HCl	0.07	0.29
		Cl ₂	0.47	1.90
FU-PILOT	HCl Purification Pilot Plant Component Fugitives (4)	Phosgene	<0.01	<0.01
		MCB	<0.01	0.02
		DCB	<0.01	<0.01
		HCl	<0.01	0.20
FL720CL200	Chlorine Unloading Fugitives (4)	Cl ₂	0.01	0.05
FT02000600	Sulfuric Tank	H ₂ SO ₄	<0.01	<0.01
FT02003700	Sulfuric Tank	H ₂ SO ₄	<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) VOC - volatile organic compounds as defined in General Rule 101.1

NO_x - total oxides of nitrogen

CO - carbon monoxide

SO₂ - sulfur dioxide

DCB - dichlorobenzene

MCB - monochlorobenzene

Cl₂ - chlorine

HCl - hydrogen chloride

(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

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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 _____