

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 2033A

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
FV11514600	OGI Scrubber	VOC	0.50	2.00
		NO _x	0.50	2.0
		CO	0.30	1.2
		SO ₂	<0.01	<0.01
		HCl	1.25	2.5
		Cl ₂	0.50	2.0
FV120160	Chlorine Scrubber	Cl ₂	0.01	0.04
FV11514000	Caustic Fume Scrubber	HCl	0.08	0.35
FT09108800	Tank 091-088	MCB	0.07	0.31
FT09008800	Tank 090-088	MCB	0.07	0.31
FT09112010	Tank 091-120.1	MDI	<0.01	<0.01
FT09012020	Tank 090-120.2	MDI	<0.01	<0.01
FT09012010	Tank 090-120.1	MDI	<0.01	<0.01
FT09112020	Tank 091-120.2	MDI	<0.01	<0.01
FT09112030	Tank 091-120.3	MDI	<0.01	<0.01
FT09112040	Tank 091-120.4	MDI	<0.01	<0.01
FT09030100	Tank 090-301	MCB	<0.01	0.03

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
FV090204R0	Tank 090-230	Cyclohexane	0.11	0.50
FT090215R0	Tank 090-215R	MDI	<0.01	<0.01
FT09005400	Tank 090-054	MDI	<0.01	<0.01
FT09105400	Tank 091-054	MDI	<0.01	<0.01
FT091215R0	Tank 091-215R	MDI	<0.01	<0.01
FV09120400	Tank 091-204	Cyclohexane	0.11	0.50
FT09109300	Tank 091-093	MCB	<0.01	<0.01
FV090088UN	Tank Unloading	MCB	<0.01	0.02
FT09504500	Tank 095-045	MDI	<0.01	<0.01
FT09025000	Tank 090-250	MDI	<0.01	<0.01
FV09015500	Tank 090-149	Toluene	0.01	0.05
FV09505800	Tank 095-058	MDI	<0.01	<0.01
FT09016210	Tank 090-162.1	MDI	<0.01	<0.01
FT09016220	Tank 090-162.2	MDI	<0.01	<0.01
FV09009900	Neutralization Stack	Emergency Use Only		
FV09109900	Neutralization Stack	Emergency Use Only		
FV09110820	Spot Vent System	Emergency Use Only		

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
FV09010810	Spot Vent System	Emergency Use Only		
FL72004600	Loading	MDI	<0.01	<0.01
FL72008001	Loading	MDI	<0.01	<0.01
FU	Fugitives (4)	Phosgene	<0.01	<0.01
		MCB	0.72	3.15
		MDA/MDI	0.07	0.31
		HCl	0.07	0.29
		Cl ₂	0.47	1.90
FU-PILOT	HCl Purification Pilot Plant Fugitives (4) 0.02	Phosgene	<0.01	<0.01
		MCB		<0.01
		DCB	<0.01	<0.01
		HCl	<0.01	0.20
FL720CL200	Chlorine Unloading Fugitives (4)	Cl ₂	0.01	0.05

(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 except MDI, MDA, MCB, DCB, and phosgene

NO_x - total oxides of nitrogen

CO - carbon monoxide

SO₂ - sulfur dioxide

MDA - methylene dianiline

MDI - diphenylmethane diisocyanates monomers and polymers

MCB - monochlorobenzene

DCB - dichlorobenzene

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

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

HCl - hydrogen chloride

Cl₂ - chlorine

- (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

Dated_____