

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 978B

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 *	
TPY			lb/hr	
EK-104	Methanol Storage Tank	MeOH	<0.01	<0.01
EK-101	TCB Storage Tank	1,2,4-TCB	<0.01	0.01
EK-120	TCB Storage Tank	1,2,4-TCB	<0.01	0.01
EK-108	Methanol Storage Tank	MeOH	0.01	0.06
EK-204	Xylene Storage Tank	xylene	0.01	0.02
EK-212	Ethylene Glycol Storage Tank	ethylene glycol	<0.01	<0.01
EA-249	Dicamba Flaker	DICAMBA	0.01	0.04
EA-506	D-505 Scrubber	DICAMBA	1.74	7.57
EK-300	Vent Scrubber	HCl	<0.01	<0.01
ED-300	D-300 Unloading	HCl	12.80	1.66
EB-141	B-141 Seal Pot	HCl	0.43	1.88
ED-206A	D-206A Vent Absorber	dimethyl amine	0.66	2.89
ED-206B	D-206B Vent Absorber	dimethyl amine	0.66	2.89

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	
TPY				
EK-203	K-203 Flare 35.74	HCl	0.01	0.04
		dimethyl ether		8.16
		MeOH	0.53	2.32
		xylene	0.69	3.02
		CH ₃ Cl	<0.01	<0.01
		NO _x	0.83	3.64
		CO	7.14	31.27
EB-1	Boiler No. 1	TSP	1.68	7.35
		PM ₁₀	0.34	1.47
		NO _x	25.75	112.80
		CO	1.90	8.34
		VOC	0.34	1.47
		SO ₂	0.07	0.29
EB-2	Boiler No. 2	TSP	0.96	3.98
		PM ₁₀	0.96	3.98
		NO _x	9.64	39.75
		CO	3.90	16.11
		VOC	0.27	1.19
		SO ₂	0.06	0.25
EB-3	Boiler No. 3	TSP	1.68	7.35
		PM ₁₀	0.34	1.47
		NO _x	25.75	112.80
		CO	1.90	8.34
		VOC	0.34	1.47
		SO ₂	0.07	0.29
F	Process Fugitives(4)	xylene	2.13	9.32
		MeOH	2.24	9.82
		1,2,4-TCB	1.13	4.96
		CH ₃ Cl 0.66	2.88	
		HCl 0.99	4.34	
		ethylene glycol	0.34	1.48
		Cl ₂ 0.04	0.17	

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(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) TSP - particulate matter, including PM₁₀

PM₁₀ - particulate matter less than 10 microns in diameter

VOC - volatile organic compounds

MeOH - methanol

1,2,4 TCB - 1,2,4 trichlorobenzene

DICAMBA - 3,6 dichloro-o-anisic acid (and isomers)

HCl - hydrogen chloride

CH₃Cl - methyl chloride

NO_x - oxides of nitrogen

SO₂ - sulfur dioxide

CO - carbon monoxide

VOC - volatile organic compounds

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 to 10,000 tons of product and the following maximum operating schedule:

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,736