

# 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	
			lb/hr	TPY
EK-120	TCB Storage Tank	1,2,4-TCB	<0.01	0.01
EK-212	Ethylene Glycol Storage <0.01 Tank (K-212, K-214, K-216)	ethylene glycol		<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
EK-203	K-203 Flare	HCl	0.01	0.04
		dimethyl ether	8.16	35.75
		MeOH 0.53	2.32	
		xylene		0.69
		3.02		
		CH <sub>3</sub> Cl	<0.01	<0.01
		NO <sub>x</sub>	0.83	3.64
		CO	7.14	31.27

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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>
EK-275	Dicamba Unit Fume Burner Stack	HCl	2.5	10.5
		Cl <sub>2</sub>	0.1	0.42
		NO <sub>x</sub>	0.3	1.26
		VOC	0.3	1.26
EB-1	Boiler No. 1	PM <sub>10</sub>	1.68	7.35
		NO <sub>x</sub>	25.75	112.80
		CO	1.90	8.34
		VOC	0.34	1.47
		SO <sub>2</sub>	0.07	0.29
EB-2	Boiler No. 2	PM <sub>10</sub>	0.96	3.98
		NO <sub>x</sub>	9.64	39.75
		CO	3.90	16.11
		VOC	0.27	1.19
		SO <sub>2</sub>	0.06	0.25
EB-3	Boiler No. 3	PM <sub>10</sub>	0.94	4.11
		NO <sub>x</sub>	5.81	25.44
		CO	3.28	14.37
		VOC	0.54	2.37
		SO <sub>2</sub>	0.06	0.25
F	Process Fugitives (4) 9.32	xylene		2.13
		MeOH	2.24	9.82
		1,2,4-TCB	1.13	4.96
		CH <sub>3</sub> Cl	0.66	2.88
		HCl	0.99	4.34
		ethylene glycol	0.34	1.48
		Cl <sub>2</sub>	0.04	0.17

(1) Emission point identification - either specific

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

equipment designation or emission point number from plot plan.

(2) Specific point source name. For fugitive sources use area name or fugitive source name.

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- (3)
- |                    |   |                         |
|--------------------|---|-------------------------|
| DICAMBA            | 1,2,4-TCB   | -1,2,4 trichlorobenzene |
| HCl                | - 3,6 dichloro-o-anisic acid (and isomers)  |                         |
| Cl <sub>2</sub>    | - hydrogen chloride   |                         |
| NO <sub>x</sub>    | - chlorine  |                         |
| PM <sub>10</sub>   | - oxides of nitrogen  |                         |
|                    | - particulate matter 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. |                         |
| CO                 | - carbon monoxide   |                         |
| SO <sub>2</sub>    | - sulfur dioxide  |                         |
| VOC                | - volatile organic compounds  |                         |
| MeOH               | - methanol  |                         |
| CH <sub>3</sub> Cl | - methyl chloride   |                         |
| VOC                | - volatile organic compound   |                         |
- (4) Fugitive emissions are an estimate only.

\* 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

Dated