

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 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 Tank (J-212, J-214, and J-216) Carbon Canister	Ethylene Glycol	0.01	0.01
ED-565	Dicamba Absorber	Dicamba	0.04	0.16
EC-568	Dust Collector	PM	0.01	0.01
EA-506	D-505 Scrubber	Dicamba	1.74	7.57
ED-300A	Vent Scrubber	HCl	0.01	0.01
ED-300	HCl Unloading	HCl	12.80	1.66
EB-141	Tank Scrubber	HCl	0.43	1.88
ED-206A	Vent Absorber	Dimethyl amine	0.66	2.89
ED-206B	D-206B Vent Absorber	Diglycol 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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			lb/hr	TPY**
EK-275	Dicamba Unit Fume Burner	HCl	2.5	0.45
		Cl <sub>2</sub>	0.1	0.04
		NO <sub>x</sub>	0.3	1.26
		MeOH	0.02	0.02
		CH <sub>3</sub> Cl 0.01	0.01	
		1,2,4-TCB	0.01	0.01
		PM <sub>10</sub> 0.02	0.09	
		CO 0.23	1.01	
		VOC 0.26	1.09	
EB-1	Boiler No. 1	PM <sub>10</sub>	1.68	1.02
		NO <sub>x</sub>	25.75	15.59
		CO	1.90	1.15
		VOC	0.34	0.21
		SO <sub>2</sub>	0.07	0.05
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	2.37
F	Process Fugitives (4)	xylene	0.22	0.98
		MeOH	0.24	1.05
		1,2,4-TCB	0.12	0.52
		CH <sub>3</sub> Cl	0.07	0.31
		HCl	0.10	0.45

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
		ethylene glycol	0.03	0.14
		Cl <sub>2</sub>	0.01	0.04
EWV-TR3	Carbon Canister	VOC	0.05	0.20

- (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) 1,2,4-TCB - 1,2,4 trichlorobenzene  
 Dicamba - 3,6 dichloro-o-anisic acid (and isomers)  
 HCl - hydrogen chloride  
 Cl<sub>2</sub> - chlorine  
 NO<sub>x</sub> - oxides of nitrogen  
 PM<sub>10</sub> - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.  
  
 CO - carbon monoxide  
 SO<sub>2</sub> - sulfur dioxide  
 VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
 MeOH - methanol  
 CH<sub>3</sub>Cl - methyl 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:  
8,760 Hrs/year.

\*\* Compliance with annual emission limits is based on a rolling 12-month period.

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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 July 18, 2005