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 Flaker Absorber	Dicamba	0.01	0.04
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_3Cl	<0.01	<0.01
		NO_x	0.83	3.64
		CO	7.14	31.27

EK-275***	Dicamba Unit Fume Burner		HCl	2.5	0.45
			Cl_2	0.1	0.04
			NO_x	0.3	1.26
		MeOH		0.02	0.02
		CH_3Cl	0.01	0.01	
		1,2,4-TCB	0.01	0.01	
		PM_{10}	0.02	0.09	
		CO	0.23	1.01	
		VOC	0.26	1.09	
EB-1	Boiler No. 1		PM_{10}	1.68	7.35
			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		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		PM_{10}	0.94	4.11
			NO_x	5.81	25.44
			CO	3.28	14.37
			VOC	0.54	2.37
			SO_2	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_3Cl	0.07	0.31
			HCl	0.10	0.45
			ethylene glycol	0.03	0.14
			Cl_2	0.01	0.04
EWW-TR3	Carbon Canister		VOC	0.05	0.20

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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) 1,2,4-TCB - 1,2,4 trichlorobenzene
DICAMBA - 3,6 dichloro-o-anisic acid (and isomers)
HCl - hydrogen chloride
Cl_2 - chlorine
NO_x - oxides of nitrogen
PM_{10} - particulate matter (PM) 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_2 - sulfur dioxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
MeOH - methanol
CH_3Cl - methyl chloride
(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

All HAP emissions are based on 2002 Emission Inventory factors.

** The NO_x and CO emissions based on "TNRCC" Guidance Document for Flares and Vapor Oxidizers, October 2000, for non-assisted low Btu flares.

*** Emissions based on factors from AP-42 for natural gas combustion.

Lodaing operations are based on AP-42

Fugitive emissions are based on factors from "TNRCC" Equipment Leak Fugitives Technical

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Guidance Package for Chemical Sources, March 1995. LADR is 28VHP

Dated December 17, 2003