

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 9224A

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 *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
EP-B1	Pyrolysis Furnace B100/A	NOx	0.94	4.10
		CO	0.38	1.70
		VOC	0.03	0.13
		SO2	<0.01	0.01
		PM/PM10	0.04	0.18
EP-FUG	Fugitives	VOC	1.70	7.60
EP-MATER	Material Handling	VOC	0.03	<0.01
		PM/PM10	0.03	<0.01
EP-POLY	Polymerization Section Vent (5)	VOC	0.83	0.92
EP-POST	Post-Treatment Exhaust Stack (5) (6)	PM/PM10	0.39	1.71
		VOC	0.04	0.18
		HNO3	0.04	0.18
EP-TO	Thermal Oxidizer/ Gas Scrubber	HCl (as Cl)	0.35	1.50
		Cl2 (as Cl)	0.35	1.50
		HF	0.68	3.00
		VOC	0.31	1.40
		NOx	1.19	5.20
		CO	0.55	2.40
		SO2	<0.01	<0.01
		PM/PM10	0.02	0.08
EP-WWT	Wastewater Treatment System	VOC	(5)	(5)

(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.

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
(3)	VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1			
	IOC-U - inorganic compounds (unspeciated)			
	NO _x - total oxides of nitrogen			
	SO ₂ - sulfur dioxide			
	PM - particulate matter, suspended in the atmosphere, including PM ₁₀ .			
	PM ₁₀ - 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			
	HCl - hydrogen chloride			
	HF - hydrogen fluoride			
(4)	Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.			
(5)	Emissions resulting from residual monomer in the polymer are assigned to EP-POLY but may be emitted at EP-POLY, EP-POST, or EP-WWT.			
(6)	VOC dryer emissions are surfactant emissions; residual emissions are assigned to EP-POLY.			

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

24 Hrs/day 7 Days/week 52 Weeks/year or 8760 Hrs/year