

Emission Sources - Maximum Allowable Emission Rates

Permit Number 83082

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, sources, and related activities. 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	
			lbs/hour	TPY (5)
EPN 1	Ventilation Stack for Bays 1 and 2	VOC (4)	4.00	See below
		Styrene (8)	51.70 (6)	See below
		MMA	13.50	See below
		Exempt Solvent	40.00	See below
		PM	9.60	See below
EPN 2	Ventilation Stack for Bays 3 and 4	VOC (4)	4.00	See below
		Styrene (8)	36.77 (7)	See below
		Exempt Solvent	40.00	See below
		PM	9.60	See below
EPN 3	Ventilation Stack for Mold Production Area	VOC (4)	4.00	See below
		Styrene	21.83	See below
		Exempt Solvent	40.00	See below
		PM	5.70	See below
EPN 1, 2, and 3	Site-wide	VOC (4), Styrene, MMA, and Exempt Solvent		80.00
		PM		14.00

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.

(2) Specific point source name.

(3) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented

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PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented

PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter

MMA - Methyl Methacrylate

(4) VOC other than styrene and MMA.

(5) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.

(6) EPN 1 can only operate with a styrene emission rate of 51.70 lbs/hr between the hours of 7 pm to 1 am or 2 am to 8 am while EPN 2 is not operating.

(7) EPN 2 can only operate with a styrene emission rate of 36.77 lbs/hr between the hours of 2 am to 7pm while EPN 1 is not operating.

(8) For simultaneous operations at EPN1 and EPN2, the maximum emission rate is limited to 29.87 lbs/hr at each EPN and can only operate between 2 am to 7pm.

Date: September 20, 2013