

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 20419

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**
<u>Site 1</u>				
DC-1	Dust Collector	PM	0.43	1.88
DC-2A	Dust Collector	PM	0.55	2.40
DC-3	Dust Collector	PM	0.43	1.88
DC-5	Dust Collector	PM	0.10	0.43
DC-7	Dust Collector	PM	0.13	0.56
DC-9	Dust Collector	PM	0.29	1.26
DC-11	Dust Collector	PM	0.10	0.43
4-1 and 4-2	Lab Vents	Styrene/MMA	0.05	0.06 (4)
		Acetone	0.70	0.73
B-1	Boiler	CO	0.49	2.15
		NO _x	0.59	2.58
		PM	0.04	0.18
		SO ₂	<0.01	0.02
		VOC (from combustion)	0.03	0.13
BLDG-7	Assembly/Fabrication	PM	0.15	0.46

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5-1 through 5-7, Dust Collector,	CO	0.09	0.41
TNK, 10-1, Storage/Mixing/Day	NO _x	0.11	0.49
11-1, 11-2, Tanks, Curing Ovens,	PM	0.75	2.99
13-1 through Pultrusion and	SO ₂	<0.01	<0.01
13-6, and AX-1 Production	VOC	2.67	2.37 (4)
Operations, Cleaning,	Styrene	28.99	67.15 (4)
Grating Assembly, and	MMA	27.67	64.20 (4)
Maintenance	Formaldehyde	0.84	0.42 (4)
	Phenol	14.40	7.20 (4)
	Acetone	0.18	0.18
TOTAL VOC for Site 1			70.00 (4)
<u>Site 2</u>			
DC-12 Dust Collector	PM	0.10	0.43
S2HF and S2PC HLU Finishing and Pultrusion Cutting	PM	0.06	0.21
S2C Parts Cleaner	VOC	0.45	0.33

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
 - (2) Specific point source names. For fugitive sources, use an area name or fugitive 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. Acetone is an exempt solvent.
- VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 NO_x - total oxides of nitrogen
 SO₂ - sulfur dioxide
 PM - particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}
 PM₁₀ - particulate matter equal to or less than 10 microns in diameter
 PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
 CO - carbon monoxide
 MMA - methyl methacrylate

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(4) Total VOC (excluding VOC from combustion) for Site 1 is 70.00 tons per year.

* 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 8,760 Hrs/year

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

Dated October 23, 2007