

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) | <u>Emission Rates *</u> | |
|---------------------------|---------------------------------------|-----------------------------|-------------------------|----------|
| | | | lb/hr | TPY** |
| DC-1 | Dust Collector | PM | 0.24 | 1.07 |
| DC-2A | Dust Collector | PM | 0.55 | 2.40 |
| DC-3 | Dust Collector | PM | 0.24 | 1.07 |
| DC-5 | Dust Collector | PM | < 0.01 | 0.02 |
| DC-7 | Dust Collector | PM | 0.10 | 0.43 |
| DC-9 | Dust Collector | PM | 0.29 | 1.26 |
| DC-11 | Dust Collector | PM | 0.10 | 0.43 |
| 4-1 and 4-2 | Lab Vent, Research and Development | Styrene/MMA | 0.05 | 0.06 (4) |
| | | Acetone | 0.70 | 0.73 |
| B-1 | Boilers | CO | 0.33 | 1.46 |
| | | NO _x | 0.40 | 1.74 |
| | | PM | 0.03 | 0.13 |
| | | SO ₂ | <0.01 | 0.01 |
| | | VOC (from combustion) | 0.02 | 0.10 |
| BLDG-7 | Assembly Fabrication | PM | 0.15 | 0.46 |

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AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * | |
|--|--|-----------------------------|------------------|-----------|
| | | | lb/hr | TPY** |
| 5-1 through 5-7, TNK, 10-1, 11-1, 11-2, and 13-1 through 13-6 | Dust Collector, Storage/Mixing/Day Tanks, Infrared Ovens, Pultrusion and Production Operations, Cleaning, Grating Assembly, and Maintenance | Other VOC | 2.67 | 2.37 (4) |
| | | Styrene | 28.99 | 67.15 (4) |
| | | MMA | 27.67 | 64.20 (4) |
| | | Formaldehyde | 0.84 | 0.42 (4) |
| | | Phenol | 14.40 | 7.20 (4) |
| | | Acetone | 0.18 | 0.18 |
| | | | | |
| | | TOTAL VOC | | 70.00 (4) |

(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

(4) Total VOC (excluding VOC from combustion) is 70 tons per year.

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

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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: June 29, 2010