

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 36885

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.<br>(1) | Source Name (2)  | Air Contaminant Name (3) | Emission Rates (5) (9) |         |
|---------------------------|--|--------------------------|------------------------|---------|
|                           |  |                          | lbs/hour               | TPY (4) |
| 1 through 6               | Open Molding FRP Stacks  | VOC                      | 43.80                  | 84.87   |
|                           |  | Styrene (6)              | 28.00                  | 80.69   |
|                           |  | PM                       | 3.60                   | 12.70   |
| 52                        | Open Molding/Closed Molding, Resin Mixing and 3.9 MMBtu/hr Air Makeup Unit | VOC                      | 21.50                  | 53.70   |
|                           |  | Styrene (6)              | 19.20                  | 49.92   |
|                           |  | PM                       | 0.67                   | 1.73    |
|                           |  | PM <sub>10</sub>         | 0.60                   | 1.56    |
|                           |  | PM <sub>2.5</sub>        | 0.25                   | 0.65    |
|                           |  | VOC (8)                  | 0.02                   | 0.001   |
|                           |  | NO <sub>x</sub>          | 0.38                   | 0.24    |
|                           |  | CO                       | 0.32                   | 0.20    |
|                           |  | SO <sub>2</sub>          | <0.01                  | <0.01   |
|                           |  | PM (8)                   | 0.03                   | 0.02    |
|                           |  | PM <sub>10</sub> (8)     | 0.03                   | 0.02    |
|                           |  | PM <sub>2.5</sub> (8)    | 0.03                   | 0.02    |
| 20 through 23             | Primer Booth   | VOC                      | 21.20                  | 52.00   |
|                           |  | PM                       | 0.50                   | 1.90    |
| 24                        | Touch-up Booth   | VOC                      | 2.70                   | 2.80    |
|                           |  | PM                       | 0.35                   | 1.50    |
| 31                        | Paint Curing Oven - 2.5 MMBtu/hr   | VOC                      | 0.65                   | 1.60    |
|                           |  | VOC (8)                  | 0.01                   | 0.06    |
|                           |  | NO <sub>x</sub>          | 0.25                   | 1.10    |

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|               |                            |                       |       |       |
|---------------|----------------------------|-----------------------|-------|-------|
|               |                            | CO                    | 0.21  | 0.92  |
|               |                            | SO <sub>2</sub>       | <0.01 | 0.01  |
|               |                            | PM (8)                | 0.02  | 0.08  |
|               |                            | PM <sub>10</sub> (8)  | 0.02  | 0.08  |
|               |                            | PM <sub>2.5</sub> (8) | 0.02  | 0.08  |
| 11            | West End Dust Collector    | PM                    | 0.11  | 0.47  |
| 12            | East End Dust Collector    | PM                    | 0.11  | 0.47  |
| 40 through 49 | Blade Paint Booth and Oven | VOC                   | 42.80 | 58.30 |
|               |                            | PM                    | 1.10  | 1.50  |
|               |                            | VOC (8)               | 0.06  | 0.22  |
|               |                            | NO <sub>x</sub>       | 1.09  | 4.08  |
|               |                            | CO                    | 0.91  | 3.41  |
|               |                            | SO <sub>2</sub>       | <0.01 | 0.02  |
|               |                            | PM (8)                | 0.08  | 0.31  |
|               |                            | PM <sub>10</sub> (8)  | 0.08  | 0.31  |
|               |                            | PM <sub>2.5</sub> (8) | 0.08  | 0.31  |
| 50            | Blade Paint Mix Room       | VOC                   | 0.40  | 1.75  |
| 51            | Boiler - 2.5 MMBtu/hr      | VOC (8)               | 0.01  | 0.06  |
|               |                            | NO <sub>x</sub>       | 0.25  | 1.10  |
|               |                            | CO                    | 0.21  | 0.92  |
|               |                            | SO <sub>2</sub>       | <0.01 | 0.01  |
|               |                            | PM (8)                | 0.02  | 0.08  |
|               |                            | PM <sub>10</sub> (8)  | 0.02  | 0.08  |
|               |                            | PM <sub>2.5</sub> (8) | 0.02  | 0.08  |

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

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|                   |  |
|-------------------|--|
| VOC               | - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1                                      |
| NO <sub>x</sub>   | - total oxides of nitrogen   |
| SO <sub>2</sub>   | - sulfur dioxide   |
| PM                | - total particulate matter, suspended in the atmosphere, including PM <sub>10</sub> and PM <sub>2.5</sub> , as represented |
| PM <sub>10</sub>  | - total particulate matter equal to or less than 10 microns in diameter, including PM <sub>2.5</sub> , as represented      |
| PM <sub>2.5</sub> | - particulate matter equal to or less than 2.5 microns in diameter   |
| CO                | - carbon monoxide  |

- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Styrene emissions are included in the VOC emission rates.
- (7) Total annual VOC emissions from the processes covered by this permit shall not exceed 181.6 tons per year.
- (8) From products of combustion.
- (9) Emission rates include planned maintenance, startup and shutdown activities.

Date: June 15, 2015