

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 53786

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The annual rates (TPY) are based on a consecutive 12-month period.

AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | <u>Emission Rates</u> | |
|---------------------------|--------------------|-----------------------------|-----------------------|---------|
| | | | lb/hr | TPY (4) |

The emission rates shown below are effective until January 31, 2008.

| | | | | |
|----------|--------------|------------------|-------|-------|
| Prod 1 | Stack | Acetone | 2.56 | 4.00 |
| | | Styrene | 27.06 | 42.20 |
| Finish 1 | Vacuum Stack | PM ₁₀ | 0.40 | 0.62 |
| A | Tank A | Styrene | 0.02 | 0.10 |
| B | Tank B | Styrene | 0.19 | 0.08 |
| C | Tank C | Styrene | 0.02 | 0.10 |
| D | Tank D | Styrene | 0.02 | 0.09 |

The emission rates shown below are effective after February 1, 2008

| | | | | |
|---------|-------------------|-----------------|-------|-------|
| RTOVENT | RTO Vent Stack | VOC | 12.85 | 10.16 |
| | | PM | 0.33 | 0.25 |
| | | Exempt Solvent | 0.26 | 0.82 |
| | | VOC (5) | 0.08 | 0.32 |
| | | PM (5) | 0.41 | 0.70 |
| | | SO ₂ | <0.01 | 0.03 |
| | | NO _x | 3.00 | 7.17 |
| | | CO | 1.25 | 4.94 |
| D | Acetone Tank Vent | Exempt Solvent | 41.94 | 0.09 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (1) Emission point identification.
- (2) Specific 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
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - PM - particulate matter, suspended in the atmosphere, including PM₁₀. Where PM is not listed
 - It shall be assumed that no particulate matter greater than 10 microns is emitted.
 - PM₁₀ - particulate matter equal to or less than 10 microns in diameter
 - CO - carbon monoxide
- (4) Compliance with annual emission limits is based on a rolling 12-month period.
- (5) Combustion emissions.

Dated: July 5, 2007