

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 76691

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 |
| 1 | Hammermill No. 1 Baghouse | PM/PM ₁₀ | 0.69 | 3.00 |
| 2 | Hammermill No. 2 Baghouse | PM/PM ₁₀ | 0.69 | 3.00 |
| 3 | Binder Heater | PM/PM ₁₀ | <0.01 | 0.03 |
| | | VOC | <0.01 | 0.02 |
| | | NOx | 0.08 | 0.35 |
| | | CO | <0.01 | 0.29 |
| | | SO ₂ | <0.01 | <0.01 |
| 4 | Elvanol Drumming Operations Stack | VOC (4) | 10.01 | 30.81 |
| | | CH ₃ OH (5) | 2.60 | 8.00 |
| | | AcOH | 4.81 | 14.80 |
| | | CH ₃ CO ₂ CH ₃ | 2.60 | 8.00 |
| | | H ₄ N ₂ (5) | 0.00078 | <0.01 |
| | | 4CH ₂ O ₂ (5) | 0.00026 | <0.01 |
| | | HCHO (5) | 0.00026 | <0.01 |
| | | C ₂ H ₄ O (5) | 0.00026 | <0.01 |
| | | CH ₃ CHO (5) | 0.00026 | <0.01 |

- (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.

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- (3) 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.
- PM₁₀ - particulate matter equal to or less than of 10 microns in diameter. Where PM is not listed it shall be assumed that no PM greater than 10 microns is emitted.
- CO - carbon monoxide
- CH₃OH - methanol
- H₄N₂ - hydrazine
- AcOH - acetic acid
- 4CH₂O₂ - 1,4-dioxane
- HCHO - formaldehyde
- C₂H₄O - ethylene oxide
- CH₃CHO - acetaldehyde
- CH₃CO₂CH₃ - methyl acetate
- (4) Total VOC emissions includes CH₃OH, AcOH, 4CH₂O₂, HCHO, C₂H₄O, and CH₃CHO.
- (5) Hazardous Air Pollutants (HAPs)

* Refer to special conditions for throughput limitations and basis of emission rates.

Dated June 9, 2006