

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 260

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** |
| 60HACAFUG | Acrylic Acid Fugitives (4) | VOC | 7.33 | 32.15 |
| | | CO 0.20 | 0.85 | |
| | | Acetone | 0.49 | 2.14 |
| | | Methyl Acetate | 0.21 | 0.92 |
| 66MN3ST and/or 66MN4ST | Acrylates II (300 MMBtu/hr Gas-Fired Vapor Incinerators - Maximum One or Both Operating) | VOC | 6.70 | 8.42 |
| | | PM ₁₀ | 1.14 | 4.99 |
| | | NO _x | 55.08 | 89.64 |
| | | CO | 53.36 | 182.57 |
| | | SO ₂ | 0.15 | 0.67 |
| 51MN1147ST | Propylene Flare | VOC | 55.01 | 0.04 |
| | | NO _x | 5.27 | 0.12 |
| | | SO ₂ | 0.01 | 0.01 |
| | | CO | 38.29 | 0.60 |
| 60MT8FUG | Cooling Tower MT-8 (4) | VOC | 4.12 | 18.03 |
| 60MT19FUG | Cooling Tower MT-19 (4) | VOC | 2.56 | 11.20 |
| 26UTLFLR | Utilities Flare | VOC | 1.37 | 3.85 |
| | | NO _x 0.08 | 0.24 | |
| | | CO 0.43 | 1.21 | |
| 60MN108ST | Acrylates I (300 MMBtu/hr Gas-Fired 6.76 | | VOC | 5.42 |
| and/or 60MN109ST | Vapor Incinerators - Maximum One or Both Operating) | NO _x | 50.35 | 69.55 |
| | | CO | 55.24 | 168.02 |
| | | NH ₃ | 57.54 | 33.26 |

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|---------------------------|--|-----------------------------|------------------|--------|
| | | | lb/hr | TPY** |
| 60INCFUG | Fugitives from Incinerator System | VOC | 1.63 | 7.16 |
| | | Acetone | 0.16 | 0.72 |
| | | NH ₃ | 0.02 | 0.07 |
| | | CO | 0.06 | 0.25 |
| | | SO ₂ | 0.42 | 1.84 |
| | | Sulfuric Acid | 0.16 | 0.72 |
| | | Methyl Acetate | 0.11 | 0.50 |
| 63OLLDFUG | Organic Liquid Loading Fugitives (4) | VOC | 0.28 | 0.01 |
| 63WWLDFUG | Wastewater Loading Fugitives (4) | VOC | 1.10 | 0.07 |
| 60V1403ST | Tank V1403 | NH ₃ | 2.19 | 0.74 |
| 66NH3FUG | Ammonia Fugitives (4) | NH ₃ | 0.88 | 3.84 |
| 60MN108ST/ | Acrylates I (300 MMBtu/hr | VOC | 7.97 | 18.81 |
| 60MN109ST | Gas-Fired Vapor/Liquid Incinerators - Maximum of 2289.00 One or Both Operating) | NO _x | 61.97 | 273.00 |
| | | SO ₂ | | 520.00 |
| | | PM ₁₀ | 86.52 | 315.69 |
| | | CO | 96.68 | 277.40 |
| | | I ₂ | 7.48 | 11.59 |
| | | HI | 7.63 | 11.68 |
| | | Cl ₂ | 1.20 | 4.06 |
| | | HCl | 1.24 | 3.95 |

(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
PM₁₀ - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
CO - carbon monoxide
I₂ - iodine (vapor)
HI - hydrogen iodide (vapor)
Cl₂ - chlorine (vapor)
HCl - hydrogen chloride
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

* 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 September 15, 2006