

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 9481

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** |
| 116CT | Cooling Tower | VOC | 0.74 | 3.20 |
| 116F | Refrigeration Fugitives (4) | VOC | 6.58 | 28.79 |
| 230F | Process Fugitives (4) | VOC | 12.99 | 55.93 |
| | | PM 0.03 | 0.11 | |
| | | HF 0.01 | 0.01 | |
| | | Nickel Octoate | 0.01 | 0.01 |
| | | Modifier "T" | 0.02 | 0.10 |
| 230T-F105A | Oil Tank | VOC | 0.90 | 0.16 |
| 230T-F105B | Oil Tank | VOC | 0.90 | 0.16 |
| 230T-F200 | Catalyst Tank | VOC | 24.31 | 0.30 |
| 230T-F201 | Catalyst Tank | VOC | 14.96 | 0.22 |
| 230T-F205 | Catalyst Tank | VOC | 14.95 | 0.22 |
| 230T-F222 | Catalyst Tank | VOC | 2.87 | 0.08 |
| 230V-E405 | Crumb Tank Vent Condenser | VOC | 0.07 | 0.02 |
| 230WF | Wastewater Fugitives (4) | VOC | 4.70 | 1.52 |
| 236F | 840 Unit Finishing Process | VOC | 149.0 | 265.8 |
| 4H-228 | Modifier "T" Makeup Tank | VOC | 3.66 | 0.05 |

| | | | | |
|-----------|------------------------------|-----------------|-------|-------|
| 230T-F311 | Nitrax Makeup Tank | PM | 0.01 | 0.01 |
| 230T-F408 | Tamol Makeup Tank | PM | 1.20 | 0.01 |
| 230T-F411 | Phosphoric Acid Storage Tank | PM | 3.80 | 0.04 |
| 280F | Process Fugitives (4) | VOC | 11.71 | 51.32 |
| 280FLQ504 | Flare | VOC | 27.77 | 13.55 |
| | | NO _x | 2.19 | 1.44 |
| | | CO | 11.15 | 7.33 |
| | | SO ₂ | 0.01 | |
| 280T-115 | Angelax Storage Tank | VOC | 0.14 | 0.01 |
| 280T-F201 | Catalyst Tank | VOC | 18.17 | 0.10 |
| 280T-F206 | Catalyst Tank | VOC | 3.93 | 0.62 |
| 280T-F216 | Catalyst Tank | VOC | 0.05 | 0.01 |
| 280T-F507 | Catalyst Tank | PM | 0.01 | 0.01 |
| 280V-E405 | Crumb Tank Vent Condenser | VOC | 2.10 | 7.61 |
| 280V-M202 | HF Scrubber | VOC | 0.67 | 0.01 |
| | | HF | 0.02 | 0.01 |
| 280WF | Wastewater Fugitives (4) | VOC | 20.88 | 39.59 |
| 286F | 880 Unit Finishing Process | VOC | 188.1 | 550.0 |

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- (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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 PM - particulate matter, suspended in the atmosphere, including PM₁₀.
 PM₁₀ - particulate matter 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.
 NO_x - total oxides of nitrogen
 CO - carbon monoxide
 SO₂ - sulfur dioxide
 HF - hydrogen fluoride
- (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:

_____ Hrs/day _____ Days/week _____ Weeks/year or 8,760 Hrs/year

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated January 15, 2004