

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 22508 and PSDTX874

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) | <u>Emission Rates *</u> | |
|------------------------|--|--------------------------|-------------------------|--------|
| | | | lb/hr | TPY ** |
| 011-128-V | North Slurry Tank Vent | VOC | 11.75 | 47.00 |
| | | PM/PM ₁₀ | 0.40 | 1.58 |
| 012-021-V | South Slurry Tank Vent | VOC | 11.75 | 47.00 |
| | | PM/PM ₁₀ | 0.40 | 1.58 |
| G-STACK | G Finishing Line Stack | VOC | 36.00 | 144.00 |
| | | PM | 2.08 | 8.32 |
| NCT-1 | Cooling Tower | VOC | 0.84 | 3.36 |
| L-WWV | LiBR Wastewater Stripper | VOC | 0.66 | 2.59 |
| 700-025-V | Catalyst Tank Knockout Pot | VOC | 43.40 | 0.23 |
| 700-252-V | Catalyst Tank Knockout Pot | VOC | 43.50 | 0.20 |
| 700-007-V | Styrene Storage Tank | VOC | 2.68 | 0.47 |
| 010-445-V | Catalyst Feed Cylinder Knockout Pot | VOC | 1.55 | 0.065 |
| 010-468-V | Catalyst Feed Cylinder Knockout Pot | VOC | 1.54 | 0.11 |
| C-LINE | C-Line (5) | VOC | 23.16 | 70.92 |
| | | PM/PM ₁₀ | 1.03 | 3.45 |

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AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * | |
|---------------------------|---------------------------------|-----------------------------|------------------|--------|
| | | | lb/hr | TPY ** |
| | | | Name (3) | |
| | | | lb/hr | |
| | | | TPY** | |
| A-LINE | A-Line (6) | VOC | 34.61 | 137.30 |
| | | PM/PM ₁₀ | 1.57 | 6.14 |
| DUSTV | Carbon Black Vent | PM/PM ₁₀ | 0.15 | 0.61 |
| SCRUBBERV | Carbon Black Scrubber | PM/PM ₁₀ | 0.02 | 0.10 |
| 48098-V | Carbon Black Vacuum Vent | PM/PM ₁₀ | 0.07 | 0.30 |
| EQ-18V | Cooling Tower | VOC | 1.50 | 6.54 |
| BRFUG-3 | Process Area Fugitives (4) | VOC | 27.87 | 122.27 |
| | | NH ₃ | 1.16 | 5.08 |
| BRFUG-6 | Storage Tank Area Fugitives (4) | VOC | 7.71 | 33.77 |
| 35092 | TNPP Storage Tank | VOC | 0.49 | 0.01 |
| 33030 | COD Storage Tank | VOC | 2.12 | 0.04 |
| 34003 | HA Oil Storage Tank | VOC | 0.19 | 0.04 |
| 33002-1 | West DEAC Storage Tank | VOC | 14.21 | 0.31 |
| 33002-2 | East DEAC Storage Tank | VOC | 14.21 | 0.31 |
| WW | CoBR Wastewater Stripper | VOC | 38.40 | 19.38 |

(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 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
- PM - particulate matter, suspended in the atmosphere, including PM₁₀
- PM₁₀ - particulate matter equal to or less than 10 microns in diameter
- NH₃ - ammonia
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Emission points in C-Line include 33015-1V, 33015-2V, C-SCRN, C-DRYER No. 1, and C-DRYER No. 2.
- (6) Emission points in A-Line include 33015-3V, 33015-4V, 48043-1V, 48043-2V, A-DRYER No. 1, and A-DRYER No. 2.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

8,760 Hrs/year

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

Dated: March 3, 2010