

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 9869A

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 | Internal Combustion Engine White 8G825 w/cc 800-hp (formerly PBR 47284) | NO _x | 3.53 | 15.45 |
| | | CO | 5.29 | 23.18 |
| | | VOC | 0.14 | 0.62 |
| | | SO ₂ | <0.01 | 0.02 |
| | | PM ₁₀ | 0.13 | 0.58 |
| 4 | Internal Combustion Engine White 8G825 w/cc 800-hp (formerly PBR 47284) | NO _x | 3.53 | 15.45 |
| | | CO | 5.29 | 23.18 |
| | | VOC | 0.14 | 0.62 |
| | | SO ₂ | <0.01 | 0.02 |
| | | PM ₁₀ | 0.13 | 0.58 |
| 16A | Internal Combustion Engine Caterpillar 3516TA 1,150-hp | NO _x | 12.68 | 55.53 |
| | | CO | 5.07 | 22.21 |
| | | VOC | 3.80 | 16.66 |
| | | SO ₂ | 0.01 | 0.03 |
| | | PM ₁₀ | 0.19 | 0.83 |
| 16B | Internal Combustion Engine Caterpillar 399TA-LCR 730-hp, w/cc | NO _x | 3.22 | 14.10 |
| | | CO | 4.02 | 17.62 |
| | | VOC | 0.81 | 3.53 |
| | | SO ₂ | <0.01 | 0.02 |
| | | PM ₁₀ | 0.13 | 0.58 |
| 17 | Internal Combustion Engine Caterpillar 3516TA 1,150-hp | NO _x | 12.68 | 55.53 |
| | | CO | 5.07 | 22.21 |
| | | VOC | 3.80 | 16.66 |
| | | SO ₂ | 0.01 | 0.03 |
| | | PM ₁₀ | 0.19 | 0.83 |
| 22 | Mole Sieve Regin Heater (dehydration) 3 MMBtu/hr (formerly SE 66, 21073) | NO _x | 0.30 | 1.31 |
| | | CO | 0.25 | 1.10 |
| | | VOC | 0.02 | 0.07 |
| | | SO ₂ | 0.01 | 0.01 |

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| | | | lb/hr | TPY** |
| | | PM ₁₀ 0.02 | 0.10 | |
| 23 | Amine Regeneration Heater | NO _x | 0.10 | 0.44 |
| | 1.00 MMBtu/hr | CO | 0.08 | 0.37 |
| | (added by amendment | VOC | 0.01 | 0.02 |
| | to Permit Number 9869A) | SO ₂ | 0.01 | 0.01 |
| | | PM ₁₀ 0.01 | 0.03 | |
| 26 | Internal Combustion Engine | NO _x | 3.53 | 15.45 |
| | White 8G825, w/cc | CO | 5.29 | 23.18 |
| | 800-hp | VOC | 1.76 | 7.73 |
| | (formerly SE 6, 28539) | SO ₂ | <0.01 | 0.02 |
| | | PM ₁₀ 0.13 | 0.58 | |
| 28 | Internal Combustion Engine | NO _x | 0.86 | 3.77 |
| | Caterpillar 3306TA, w/cc | CO | 0.86 | 3.77 |
| | 195-hp | VOC | 0.43 | 1.88 |
| | (formerly PBR 29643) | SO ₂ | 0.01 | 0.01 |
| | | PM ₁₀ 0.03 | 0.14 | |
| 29 | Internal Combustion Engine | NO _x | 2.43 | 10.62 |
| | Caterpillar 398TA, w/cc | CO | 3.64 | 15.93 |
| | 550-hp | VOC | 1.21 | 5.31 |
| | (formerly PBR 29643) | SO ₂ | <0.01 | 0.02 |
| | | PM ₁₀ 0.09 | 0.39 | |
| 30 | Amine Regeneration Heater | NO _x | 0.17 | 0.74 |
| | 1.70 MMBtu/hr Design Cap. | CO | 0.14 | 0.63 |
| | | VOC 0.01 | 0.04 | |
| | | SO ₂ 0.01 | 0.01 | |
| | | PM ₁₀ 0.02 | 0.06 | |
| 35 | Internal Combustion Engine | NO _x | 5.43 | 23.79 |
| | 1,232-hp Waukesha L7042GSI | CO | 8.15 | 35.69 |
| | w/cc (formerly PBR 50571) | VOC | 0.19 | 0.84 |

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|---------------------------|---|-----------------------------|------------------|-------|
| | | | lb/hr | TPY** |
| 36 | Internal Combustion Engine 1,232-hp Waukesha L7042GSI w/cc (formerly PBR 50571) | NO _x | 5.43 | 23.79 |
| | | CO | 8.15 | 35.69 |
| | | VOC | 0.19 | 0.84 |
| FL1 | Process to Flare (Amine Unit, Closed Vent and Tank Truck Loading) | NO _x | 1.31 | 5.72 |
| | | CO | 2.61 | 11.42 |
| | | VOC | 5.38 | 6.79 |
| | | SO ₂ | 20.68 | 90.58 |
| | | H ₂ S | 0.22 | 0.98 |
| FL1 | Planned Maintenance to Flare | NO _x | 9.06 | 0.02 |
| | | CO | 18.10 | 0.04 |
| | | VOC | 42.25 | 0.11 |
| FUGVOC | VOC Fugitives (4) | VOC | 7.85 | 34.40 |

- (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
 NO_x - total oxides of nitrogen
 CO - carbon monoxide
 SO₂ - sulfur dioxide
 PM₁₀ - particulate matter equal to or less than 10 microns in diameter.
 CO - carbon monoxide
- (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 September 7, 2006