

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 5144A

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 | Amine Regenerator Heater | CO | 2.81 | 12.31 |
| | | NO _x | 3.34 | 14.65 |
| | | PM ₁₀ | 0.25 | 1.11 |
| | | SO ₂ | 0.02 | 0.09 |
| | | VOC | 0.18 | 0.81 |
| 3A | Glycol Regenerator Heater No. 1 | CO | 0.17 | 0.75 |
| | | NO _x | 0.20 | 0.89 |
| | | PM ₁₀ | 0.02 | 0.07 |
| | | SO ₂ | 0.01 | 0.01 |
| | | VOC | 0.01 | 0.05 |
| 4 | Boiler | CO | 0.92 | 4.05 |
| | | NO _x | 1.10 | 4.82 |
| | | PM ₁₀ | 0.08 | 0.37 |
| | | SO ₂ | 0.01 | 0.03 |
| | | VOC | 0.06 | 0.27 |
| 5 | Tail Gas Incinerator | CO | 1.64 | 5.81 |
| | | H ₂ S | 0.62 | 0.60 |
| | | NO _x | 1.96 | 6.91 |
| | | PM ₁₀ | 0.15 | 0.53 |
| | | SO ₂ | 1165.90 | 1130.00 |
| | | VOC | 0.06 | 0.17 |
| 6 | Flare - Pilot Fuel Only | CO | 0.21 | 0.91 |
| | | H ₂ S | 0.01 | 0.01 |
| | | NO _x | 0.03 | 0.11 |
| | | SO ₂ | 0.01 | 0.01 |
| | | VOC | 0.01 | 0.04 |

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|---------------------------|---|-----------------------------|-------------------------|--------|
| | | | lb/hr | TPY** |
| 7A | Generator No. 1 (5) Waukesha L7042GU 800-Horsepower | CO | 22.32 | |
| | | NO _x | 13.26 | |
| | | PM ₁₀ | 0.12 | |
| | | SO ₂ | 0.01 | |
| | | VOC | 0.18 | |
| 7B | Generator No. 2 (5) Waukesha L7042GU 800-Horsepower | CO | 22.32 | |
| | | NO _x | 13.26 | |
| | | PM ₁₀ | 0.12 | |
| | | SO ₂ | 0.01 | |
| | | VOC | 0.18 | |
| 7C | Generator No. 3 (5) Waukesha L7042GU 800-Horsepower | CO | 22.32 | |
| | | NO _x | 13.26 | |
| | | PM ₁₀ | 0.12 | |
| | | SO ₂ | 0.01 | |
| | | VOC | 0.18 | |
| | Annual and Hourly Emission Cap (5) | CO | 44.64 | 195.52 |
| | | NO _x | 26.52 | 116.16 |
| | | PM ₁₀ | 0.24 | 1.02 |
| | | SO ₂ | 0.02 | 0.03 |
| | | VOC | 0.36 | 1.56 |
| 9A | Glycol Regeneration Heater No. 2 | CO | 0.12 | 0.54 |
| | | NO _x | 0.15 | 0.64 |
| | | PM ₁₀ | 0.01 | 0.05 |
| | | SO ₂ | 0.01 | 0.01 |
| | | VOC | 0.01 | 0.04 |
| 31 | Waukesha F817G 108-Horsepower | CO | 3.29 | 14.43 |
| | | NO _x | 1.96 | 8.57 |
| | | PM ₁₀ | 0.02 | 0.08 |
| | | SO ₂ | 0.01 | 0.01 |
| | | VOC | 0.03 | 0.12 |
| 32 | Waukesha F1197G | CO | 4.58 | 20.06 |

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| | | | lb/hr | TPY** |
| | 162-Horsepower | NO _x | 2.72 | 11.92 |
| | | PM ₁₀ | 0.11 | |
| | | SO ₂ | 0.01 | |
| | | VOC | 0.16 | |
| 33 | Ajax DPC-230 | CO | 0.75 | 3.26 |
| | 230-Horsepower | NO _x | 6.12 | 26.83 |
| | | PM ₁₀ | 0.41 | |
| | | SO ₂ | 0.01 | |
| | | VOC | 1.02 | |
| 34 | Ajax DPC-360 | CO | 1.17 | 5.12 |
| | 360-Horsepower | NO _x | 9.59 | 41.99 |
| | | PM ₁₀ | 0.64 | |
| | | SO ₂ | 0.01 | |
| | | VOC | 1.59 | |
| 35 | Waukesha L7042G | CO | 5.93 | 25.96 |
| | 896-Horsepower | NO _x | 3.95 | 17.30 |
| | | PM ₁₀ | 0.57 | |
| | | SO ₂ | 0.02 | |
| | | VOC | 8.65 | |
| 36 | Caterpillar G3516LEW | CO | 8.37 | 36.65 |
| | 1,265-Horsepower | NO _x | 5.58 | 24.43 |
| | | PM ₁₀ | 0.42 | |
| | | SO ₂ | 0.02 | |
| | | VOC | 4.90 | |
| V-20 | Sulfolane Tank | VOC | 0.01 | 0.01 |
| V-21 | MDEA Tank | VOC | 0.01 | 0.01 |
| V-27 | Slop Oil Tank | VOC | 0.55 | 0.21 |
| S-PIT | Solution Pit | VOC | 0.01 | 0.01 |

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| | | | lb/hr | TPY** |
| 8 | Process Fugitives (4) | H ₂ S | 0.01 | 0.02 |
| | | VOC | 0.22 | 0.95 |

(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.

(3) CO - carbon monoxide

H₂S - hydrogen sulfide

NO_x - total oxides of nitrogen

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..

SO₂ - sulfur dioxide

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

(5) No more than two of the three EPNs shall operate at any one time on an hourly and annual basis.

* 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

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

Dated April 5, 2004