

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 1329

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** |
| 037DM141 | Storage Tank Vent | VOC | 0.03 | 0.03 |
| 037GA1 | Analyzer Vent | VOC | 0.73 | 3.11 |
| 037T128 | Storage Tank Vent | VOC | 0.10 | 0.03 |
| 037T135 | Storage Tank Vent | VOC | 0.03 | 0.03 |
| 037T501A | Storage Tank Vent | VOC | 26.4 | 0.26 |
| 037T543A | Storage Tank Vent | VOC | 0.62 | 0.05 |
| 037T543B | Storage Tank Vent | VOC | 0.62 | 0.05 |
| 037T544A | Storage Tank Vent | VOC | 0.06 | 0.01 |
| 037T544B | Storage Tank Vent | VOC | 0.06 | 0.01 |
| 037T595 | Storage Tank Vent | VOC | 0.36 | 1.61 |
| 037T621 | Tank Vent (7) | CO | 0.05 | 0.06 |
| | | EO | 0.14 | 0.16 |
| | | VOC | 21.33 | 25.60 |
| 037U501 | Cooling Tower Exhaust (5) | EG | 23.40 | 85.90 |
| | | EO | 2.00 | 5.70 |
| | | VOC | 2.70 | 8.60 |
| | Cooling Tower Exhaust (6) | EG | 9.60 | 42.00 |
| | | EO | 5.20 | 11.40 |
| | | VOC | 3.30 | 8.60 |

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| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * | |
|---------------------------|--------------------------|--------------------------------|------------------|-------|
| | | | lb/hr | TPY** |
| 037VS1 | Jet Condenser Vent | VOC | 0.43 | 1.85 |
| 104FL1 | Pilot Burner | CO | 0.01 | 0.01 |
| | | NO _x | 0.07 | 0.30 |
| | | SO _x | 0.01 | 0.03 |
| | | VOC | 0.0 | 0.0 |
| 104T51 | Storage Tank | VOC | 0.33 | 0.1 |
| 104T56 | Storage Tank | VOC | 0.01 | 0.01 |
| 104T57 | Storage Tank | VOC | 0.03 | 0.03 |
| 104T161 | Storage Tank | H ₃ PO ₄ | 0.03 | 0.11 |
| | | VOC | 0.75 | 3.20 |
| 105T540 | Storage Tank | VOC | 2.23 | 0.03 |
| 141FL1 | Flare Pit | CO | 0.01 | 0.01 |
| | | NO _x | 0.03 | 0.11 |
| | | SO _x | 0.01 | 0.01 |
| | | VOC | 0.08 | 0.26 |
| F045CT5 | Cooling Tower No. 5 | VOC | 5.04 | 22.08 |
| F037FG1 | Process Fugitives (4) | EO | 0.31 | 1.34 |
| | | VOC | 4.19 | 18.30 |
| F037WW1 | Wastewater Fugitives (4) | VOC | 0.04 | 0.07 |

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.

(2) Specific point source name. For fugitive sources use area name or fugitive source name.

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- (3) CO - carbon monoxide
EG - ethylene glycol
EO - ethylene oxide
H₃PO₄ - phosphoric acid
NO_x - nitrogen oxides
SO_x - sulfur oxides
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) Emissions prior to emission control on the direct contact cooling tower.

(6) Emissions after emission control on the direct contact cooling tower.

(7) 100 days per calendar year of operation.

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

Hrs/day 24 Days/week 7 Weeks/year 52

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