

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 18838

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 | | Air Contaminant | | <u>Emission Rates *</u> | |
|---------------------------|-----------------|----------|-----------------|------------------|-------------------------|-------|
| | Name (2) | Name (3) | lb/hr | TPY | | |
| EH-42 | FLARE | | | NO _x | <0.01 | <0.01 |
| | | | | SO _x | <0.01 | <0.01 |
| | | | | CO | <0.01 | <0.01 |
| | | | | VOC | 0.50 | 2.10 |
| | | | | PM ₁₀ | <0.01 | <0.01 |
| EH-301 | HEATER B-301 | | | NO _x | 0.79 | 3.45 |
| | | | | SO _x | <0.01 | 0.02 |
| | | | | CO | 0.16 | 0.69 |
| | | | | VOC | 0.04 | 0.18 |
| | | | | PM ₁₀ | 0.04 | 0.17 |
| EH-9201 | REBOILER B-9201 | | | NO _x | 5.34 | 23.37 |
| | | | | SO _x | 0.09 | 0.39 |
| | | | | CO | 2.13 | 9.35 |
| | | | | VOC | 0.86 | 3.75 |
| | | | | PM ₁₀ | 0.75 | 3.27 |
| EH-9301 | HEATER B-9301 | | | NO _x | 2.76 | 10.62 |
| | | | | SO _x | 0.05 | 0.18 |
| | | | | CO | 1.10 | 4.25 |
| | | | | VOC | 0.44 | 1.71 |
| | | | | PM ₁₀ | 0.38 | 1.49 |
| EH-9400 | HEATER B-9400 | | | NO _x | 2.05 | 8.87 |
| | | | | SO _x | 0.03 | 0.15 |
| | | | | CO | 0.82 | 3.66 |
| | | | | VOC | 0.33 | 1.43 |
| | | | | PM ₁₀ | 0.29 | 1.24 |
| EH-9401 | REBOILER B-9401 | | | NO _x | 12.08 | 52.91 |

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|---------------------------|-------------------------|----------|-----------------|------------------|------------------|-------|
| | Name (2) | Name (3) | lb/hr | TPY | | |
| | | | | SO _x | 0.20 | 0.88 |
| | | | | CO | 4.83 | 21.16 |
| | | | | VOC | 0.57 | 2.49 |
| | | | | PM ₁₀ | 1.68 | 7.40 |
| EH-9402 | REBOILER B-9402 | | | NO _x | 2.18 | 9.55 |
| | | | | SO _x | 0.04 | 0.16 |
| | | | | CO | 0.87 | 3.82 |
| | | | | VOC | 0.35 | 1.53 |
| | | | | PM ₁₀ | 0.31 | 1.34 |
| EH-9601 | FLARE PARAXYLENE UNIT | | | NO _x | <0.01 | <0.01 |
| | | | | SO _x | <0.01 | <0.01 |
| | | | | CO | <0.01 | <0.01 |
| | | | | VOC | 2.74 | 2.32 |
| | | | | PM ₁₀ | <0.01 | <0.01 |
| EH-9602 | WHARF LOADING FLARE | | | NO _x | <0.01 | <0.01 |
| | | | | SO _x | <0.01 | <0.01 |
| | | | | CO | <0.01 | <0.01 |
| | | | | VOC | 11.70 | 2.92 |
| | | | | PM ₁₀ | <0.01 | <0.01 |
| ET-25 | BENZENE STORAGE TANK | | | VOC | 0.96 | 2.05 |
| ET-34 | REFORMATE STORAGE TANK | | | VOC | 0.98 | 1.72 |
| ET-9601 | BENZENE STORAGE TANK | | | VOC | 0.24 | 0.55 |
| ET-9602 | BENZENE STORAGE TANK | | | VOC | 0.24 | 0.55 |
| ET-9607 | XYLENE STORAGE TANK | | | VOC | 0.10 | 0.41 |
| ET-9609 | PARAXYLENE STORAGE TANK | | | VOC | 0.28 | 0.26 |
| ET-9610 | PARAXYLENE STORAGE TANK | | | VOC | 0.28 | 0.26 |

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|---------------------------|------------------------|----------|-----------------|-----|-------------------------|-------|
| | Name (2) | Name (3) | lb/hr | TPY | | |
| ET-9620 | REFORMATE STORAGE TANK | | VOC | | 0.30 | 1.21 |
| EM-9601 | COOLING TOWER M-9601 | | VOC | | 0.50 | 2.21 |
| EM-2 | COOLING TOWER No. 2 | | VOC | | 0.63 | 2.76 |
| EF-3 | FUGITIVES (4) | | VOC | | 8.83 | 38.60 |
| EF-4 | FUGITIVES (4) | | VOC | | 1.39 | 6.10 |
| EF-5 | FUGITIVES (4) | | VOC | | 0.46 | 2.00 |
| EF-6 | FUGITIVES (4) | | VOC | | 0.46 | 2.00 |
| EF-9 | FUGITIVES (4) | | VOC | | 8.06 | 35.30 |
| EF-10 | FUGITIVES (4) | | VOC | | 2.44 | 10.70 |
| EF-11 | FUGITIVES (4) | | VOC | | 2.21 | 9.70 |
| EF-17 | FUGITIVES (4) | | VOC | | 0.43 | 1.90 |

- (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.
- (3) PM₁₀ - particulate matter less than 10 microns in diameter
VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
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

Dated _____