

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 8865

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 |
| Bay 1-Bay 6 Bay 11, 14, 18, 19 | Storage Tanks | VOC | 993 | 10.8 |
| TRL 1, 2, 2a, 3-5 TRL 14, 18, 19 | Tank Truck Loading | VOC | 102 | 0.12 |
| RCL A-H | Railcar Loading | VOC | 102 | 2.0 |
| Wharf 1-3 Barge 1-3 | Ship and Barge Loading | VOC | 428 | 3.1 |
| SB-1 | Boiler | NO _x | 4.8 | 21.0 |
| | | VOC | 0.1 | 0.6 |
| | | CO | 1.6 | 6.9 |
| | | SO ₂ | 0.03 | 0.1 |
| | | PM | 0.2 | 1.0 |
| SB-3 | Boiler | NO _x | 1.05 | 4.6 |
| | | VOC | 0.04 | 0.19 |
| | | CO | 0.4 | 1.8 |
| | | SO ₂ | 0.14 | 0.63 |
| | | PM | 0.01 | 0.05 |
| FL-1 | Flare | VOC | 12.1 | 8.5 |
| | | NO _x | 45.0 | 7.5 |
| | | CO | 2.8 | 12.2 |
| | | ETO | 0.1 | <0.01 |
| | | HCl/HBr | 20.0 | 6.0 |
| | | SO ₂ | 1.0 | 4.4 |
| FL-2 | Flare | VOC | 4.7 | 1.8 |
| | | NO _x | 1.2 | 5.2 |
| | | CO | 7.0 | 6.1 |
| | | HCl/HBr | 20.0 | 6.0 |
| | | SO ₂ | 1.0 | 4.4 |

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|---------------------------|-------------------------------|-----------------------------|-------------------------|-------|
| | | | lb/hr | TPY |
| FL-3 | Flare (5) | VOC | 39.1 | 1.4 |
| | | NO _x | 2.4 | 3.0 |
| | | CO | 14.1 | 17.7 |
| TO-1 | Thermal Oxidizer | VOC | 2.91 | 9.7 |
| | | NO _x | 111.2 | 195.4 |
| | | CO | 29.1 | 96.5 |
| | | SO ₂ | 20.00 | 24.0 |
| | | PM | 2.91 | 9.7 |
| | | HCl/HBr | 20.0 | 24.9 |
| FU-1 | Equipment Leak Fugitives (4) | VOC | 1.5 | 6.3 |
| FU-2 | Line Clearing Fugitives | VOC | 60.0 | 0.94 |
| FU-3 | Hose Clearing Fugitives | VOC | 4.2 | 2.3 |
| MCFU-1 | Methyl Chloride Fugitives (4) | VOC | 0.47 | 0.9 |
| ACETFUG | Acetaldehyde Fugitives (4) | VOC | 0.32 | 1.41 |
| F-1 | Fuel Oil Storage | VOC | 5.7 | 0.51 |
| T-1 | Transfer | TCTFE | | 7.5 |
| T-2 | Transfer | PDCB | <0.01 | <0.01 |
| T-3 | Transfer | Freon-11 | | 0.57 |
| T-4 | Transfer | alkylbenzene | 0.3 | 0.6 |
| T-5 | Transfer | propylene dichloride | | 0.053 |
| AB-1 | Purge Gas Absorbers | VOC | | 0.015 |
| AB-2 | Transfer Absorbers | VOC | | 2.73 |

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|---------------------------|--------------------|-----------------------------|-------------------------|------------|
| | | | <u>lb/hr</u> | <u>TPY</u> |

- (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) VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
ETO - ethylene oxide
PM - particulate matter
CO - carbon monoxide
HCl - hydrogen chloride
HBr - hydrogen bromide
TCTFE - trichlorotrifluoroethylene
PDCB - paradichlorobenzene
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Includes flare ring for line from acetaldehyde tanks.

* 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_____