

Emission Sources - Maximum Allowable Emission Rates

Permit Number 669

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, sources, and related activities. 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 | |
|---------------------------|-----------------------|-----------------------------|----------------|---------|
| | | | lbs/hour | TPY (4) |
| B-9 | Blending Vessel | VOC | 7.50 | 0.24 |
| BD-1 | Blending Vessel | VOC | 7.71 | 0.30 |
| BL-1 | Blending Vessel | VOC | 7.71 | 0.25 |
| BL-2 | Blending Vessel | VOC | 7.71 | 0.25 |
| BL-3 | Blending Vessel | VOC | 7.91 | 0.16 |
| BL-6 | Blending Vessel | VOC | 7.71 | 0.02 |
| BL-7 | Blending Vessel | VOC | 7.64 | 0.15 |
| BL-8 | Blending Vessel | VOC | 7.71 | 0.16 |
| BL-9 | Blending Vessel | VOC | 7.71 | 0.21 |
| BL-10 | Blending Vessel | VOC | 7.71 | 0.24 |
| BL-12 | Blending Vessel | VOC | 7.71 | 0.29 |
| BL-13 | Blending Vessel | VOC | 7.81 | 0.24 |
| SBD-PV1 (10) | Blending Vessel BL-14 | VOC | 7.71 | 0.09 |
| | Blending Vessel BL-15 | VOC | 7.71 | 0.09 |
| | Blending Vessel BL-16 | VOC | 7.71 | 0.09 |
| BL-18 | Blending Vessel | VOC | 7.71 | 0.24 |
| SBD-PV2 (11) | Blending Vessel BL-19 | VOC | 7.71 | 0.24 |
| | Blending Vessel BL-20 | VOC | 7.71 | 0.24 |
| SBD-PV3 (12) | Blending Vessel BL-21 | VOC | 7.71 | 0.24 |
| | Blending Vessel BL-22 | VOC | 7.72 | 0.24 |
| BL-23 | Blending Vessel | VOC | 7.71 | 0.24 |

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| | | | | |
|----------|----------------------------|------------------|-------|------|
| BL-24 | Blending Vessel | VOC | 7.71 | 0.24 |
| BL-25 | Blending Vessel | VOC | 7.71 | 0.45 |
| BL-26 | Blending Vessel | VOC | 7.71 | 0.45 |
| BL-27 | Blending Vessel | VOC | 7.71 | 0.24 |
| BL-28 | Blending Vessel | VOC | 7.70 | 0.24 |
| BL-29 | Blending Vessel | VOC | 7.71 | 1.65 |
| BL-30 | Blending Vessel | VOC | 7.71 | 0.53 |
| BL-31 | Blending Vessel | VOC | 7.71 | 0.53 |
| BL-32 | Blending Vessel | VOC | 7.71 | 1.66 |
| BL-33 | Blending Vessel | VOC | 4.73 | 0.15 |
| D-67 | Blending Vessel | VOC | 7.71 | 1.66 |
| D-68 | Blending Vessel | VOC | 7.71 | 1.66 |
| D-69 | Blending Vessel | VOC | 7.71 | 1.66 |
| D-70 | Blending Vessel | VOC | 7.71 | 1.66 |
| FI-02 | 177 Unit Incinerator (6) | H ₂ S | 0.02 | 0.02 |
| | | SO ₂ | 44.75 | 8.15 |
| | | VOC | 0.09 | 0.02 |
| | | CO | 0.01 | 0.01 |
| | | NO _x | 0.05 | 0.01 |
| NBLNDFUG | N Blend Deck Fugitives (5) | VOC | 0.45 | 1.96 |
| SBLNDFUG | S Blend Deck Fugitives (5) | VOC | 0.79 | 3.46 |

| | | | | |
|--------|--------------------|-----------------|------|------|
| EPN-13 | 156 Unit Flare (7) | VOC | 1.87 | 0.12 |
| | | CO | 0.43 | 0.02 |
| | | NO _x | 0.08 | 0.01 |

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| | | | | |
|--------------|------------------------------------|---|-------|------|
| S-41 | PRO-1 Scrubber | VOC | 3.51 | 0.11 |
| SC-D-31 | D-31 Scrubber | NaHS | 0.01 | 0.01 |
| | | Na ₂ S | 0.01 | 0.01 |
| | | Na ₂ CO ₃ | 0.01 | 0.01 |
| M-1 | Tank | VOC | 0.01 | 0.01 |
| M-2 | Tank | VOC | 0.59 | 0.01 |
| D-90 | Tank | VOC | 4.77 | 0.63 |
| D-91 | Tank | VOC | 5.22 | 0.27 |
| EQW-3 | Tank | VOC | 11.29 | 0.01 |
| P-36 | Tank | VOC | 0.23 | 1.94 |
| FU-3663 TNKQ | Fugitives (5) | VOC | 0.15 | 0.64 |
| FU-3663 TNKO | Fugitives | VOC | 0.22 | 0.95 |
| | | NaHS, Na ₂ S, Na ₂ CO ₃ | 0.02 | 0.11 |
| D-10 FUG | Fugitives (5) | VOC | 0.05 | 0.24 |
| MSS-BLEND | Planned Maintenance Emissions | VOC | 4.83 | 0.09 |
| MSS-DPPLNT | East & West Vacuum Truck Emissions | VOC (8) | 15.74 | 1.51 |
| | | VOC (9) | 2.40 | 0.93 |
| | | H ₂ S | 0.01 | 0.01 |
| | | HCl | 0.01 | 0.01 |
| | | H ₂ SO ₄ | 0.01 | 0.01 |
| MSS-DPPLNT | Railcar Clean Emissions | VOC | 1.24 | 1.34 |
| | | H ₂ S | 0.01 | 0.01 |
| | | HCl | 0.01 | 0.01 |
| | | H ₂ SO ₄ | 0.01 | 0.01 |
| | Inherently Low Emitting Sources | VOC | 3.18 | 0.96 |

Emission Sources - Maximum Allowable Emission Rates

- (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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
CO - carbon monoxide
H₂S - hydrogen sulfide
NaHS - sodium hydrosulfide
Na₂S - sodium sulfide
Na₂CO₃ - sodium carbonate
HCl - hydrogen chloride
H₂SO₄ - sulfuric acid
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Emissions attributable to facilities authorized under Texas Commission on Environmental Quality (TCEQ) Permit Number 669 only. The EPN FI-02 authorized under TCEQ Permit Number 22059.
- (7) Listed flare emissions represent those generated through the combustion of waste gases associated with the operation of the SA-1, SA-2, SA-3, and SA-4 Storage Tanks.
- (8) Emissions authorized until April 4, 2012.
- (9) Emissions authorized after April 4, 2012.
- (10) Total VOC emission rate from EPN SBD-PV1 will be sum of VOC emission rates from FINs: Blending Vessels BL-14, BL-15 and BL-16.
- (11) Total VOC emission rate from EPN SBD-PV2 will be sum of VOC emission rates from FINs: Blending Vessels BL-19 and BL-20.
- (12) Total VOC emission rate from EPN SBD-PV3 will be sum of VOC emission rates from FINs: Blending Vessels BL-21 and BL-22.

Date: December 29, 2016