

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES SHORT-TERM

Permit Number 3467B

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. **(11/06)**

AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * |
|---------------------------|----------------------------|-----------------------------|------------------|
| | | | lb/hr ** |
| B-001 | Storage Tank B-1 (6.2 MB) | VOC | 77.19 |
| B-002 | Storage Tank B-2 (6.2 MB) | VOC | 77.19 |
| B-003 | Storage Tank B-3 (6.2 MB) | VOC | 77.19 |
| B-004 | Storage Tank B-4 (6.2 MB) | VOC | 77.19 |
| B-005 | Storage Tank B-5 (6.2 MB) | VOC | 77.19 |
| B-006 | Storage Tank B-6 (6.2 MB) | VOC | 77.19 |
| B-007 | Storage Tank B-7 (6.2 MB) | VOC | 77.19 |
| B-008 | Storage Tank B-8 (6.2 MB) | VOC | 77.19 |
| B-009 | Storage Tank B-9 (6.2 MB) | VOC | 77.19 |
| B-010 | Storage Tank B-10 (6.2 MB) | VOC | 77.19 |
| B-011 | Storage Tank B-11 (6.2 MB) | VOC | 77.19 |
| B-012 | Storage Tank B-12 (6.2 MB) | VOC | 77.19 |
| B-013 | Storage Tank B-13 (6.2 MB) | VOC | 77.19 |
| B-014 | Storage Tank B-14 (6.2 MB) | VOC | 77.19 |
| B-015 | Storage Tank B-15 (6.2 MB) | VOC | 77.19 |

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|---------------------------|----------------------------|-----------------------------|-------------------------|
| | | | <u>lb/hr **</u> |
| B-016 | Storage Tank B-16 (6.2 MB) | VOC | 77.19 |
| B-017 | Storage Tank B-17 (6.2 MB) | VOC | 77.19 |
| B-018 | Storage Tank B-18 (6.2 MB) | VOC | 77.19 |
| B-019 | Storage Tank B-19 (6.2 MB) | VOC | 77.19 |
| B-020 | Storage Tank B-20 (6.2 MB) | VOC | 77.19 |
| B-021 | Storage Tank B-21 (6.2 MB) | VOC | 77.19 |
| B-022 | Storage Tank B-22 (6.2 MB) | VOC | 77.19 |
| B-023 | Storage Tank B-23 (6.2 MB) | VOC | 77.19 |
| B-024 | Storage Tank B-24 (6.2 MB) | VOC | 77.19 |
| B-025 | Storage Tank B-25 (6.2 MB) | VOC | 77.19 |
| B-026 | Storage Tank B-26 (6.2 MB) | VOC | 77.19 |
| B-027 | Storage Tank B-27 (6.2 MB) | VOC | 77.19 |
| B-028 | Storage Tank B-28 (6.2 MB) | VOC | 77.19 |
| B-029 | Storage Tank B-29 (6.2 MB) | VOC | 77.19 |
| B-030 | Storage Tank B-30 (6.2 MB) | VOC | 77.19 |
| B-031 | Storage Tank B-31 (6.2 MB) | VOC | 77.19 |
| B-032 | Storage Tank B-32 (6.2 MB) | VOC | 77.19 |
| B-033 | Storage Tank B-33 (6.2 MB) | VOC | 77.19 |

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| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | <u>Emission Rates *</u> |
|---------------------------|------------------------------|-----------------------------|-------------------------|
| | | | <u>lb/hr **</u> |
| B-034 | Storage Tank B-34 (6.2 MB) | VOC | 77.19 |
| B-035 | Storage Tank B-35 (6.2 MB) | VOC | 77.19 |
| B-036 | Storage Tank B-36 (6.2 MB) | VOC | 77.19 |
| B-037 | Storage Tank B-37 (6.2 MB) | VOC | 77.19 |
| B-038 | Storage Tank B-38 (6.2 MB) | VOC | 77.19 |
| B-039 | Storage Tank B-39 (6.2 MB) | VOC | 77.19 |
| B-040 | Storage Tank B-40 (6.2 MB) | VOC | 77.19 |
| B-041 | Storage Tank B-41 (7.0 MB) | VOC | 77.19 |
| B-200 | Storage Tank B-200 (12.5 MB) | VOC | 86.83 |
| B-201 | Storage Tank B-201 (12.5 MB) | VOC | 86.83 |
| B-202 | Storage Tank B-202 (12.5 MB) | VOC | 86.83 |
| B-203 | Storage Tank B-203 (12.5 MB) | VOC | 86.83 |
| B-204 | Storage Tank B-204 (12.5 MB) | VOC | 86.83 |
| B-205 | Storage Tank B-205 (12.5 MB) | VOC | 86.83 |
| B-206 | Storage Tank B-206 (12.5 MB) | VOC | 86.83 |
| B-207 | Storage Tank B-207 (12.5 MB) | VOC | 86.83 |
| B-208 | Storage Tank B-208 (12.5 MB) | VOC | 86.83 |

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| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | <u>Emission Rates *</u> |
|---------------------------|------------------------------|-----------------------------|-------------------------|
| | | | <u>lb/hr **</u> |
| B-209 | Storage Tank B-209 (12.5 MB) | VOC | 86.83 |
| B-210 | Storage Tank B-210 (12.5 MB) | VOC | 86.83 |
| B-211 | Storage Tank B-211 (12.5 MB) | VOC | 86.83 |
| B-212 | Storage Tank B-212 (3.6 MB) | VOC | 77.19 |
| B-213 | Storage Tank B-213 (6.7 MB) | VOC | 77.19 |
| B-214 | Storage Tank B-214 (12.5 MB) | VOC | 86.83 |
| B-215 | Storage Tank B-215 (12.5 MB) | VOC | 86.83 |
| B-216 | Storage Tank B-216 (6.7 MB) | VOC | 77.19 |
| B-217 | Storage Tank B-217 (37.5 MB) | VOC | 46.32 |
| B-218 | Storage Tank B-218 (37.5 MB) | VOC | 46.32 |
| B-219 | Storage Tank B-219 (12.5 MB) | VOC | 86.83 |
| B-220 | Storage Tank B-220 (12.5 MB) | VOC | 86.83 |
| B-221 | Storage Tank B-221 (12.5 MB) | VOC | 86.83 |
| B-222 | Storage Tank B-222 (12.5 MB) | VOC | 86.83 |
| B-300 | Storage Tank B-300 (25 MB) | VOC | 115.78 |
| B-301 | Storage Tank B-301 (25 MB) | VOC | 115.78 |
| B-302 | Storage Tank B-302 (25 MB) | VOC | 115.78 |
| B-303 | Storage Tank B-303 (25 MB) | VOC | 115.78 |

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| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | <u>Emission Rates *</u> |
|---------------------------|----------------------------|-----------------------------|-------------------------|
| | | | <u>lb/hr **</u> |
| B-304 | Storage Tank B-304 (25 MB) | VOC | 115.78 |
| B-305 | Storage Tank B-305 (25 MB) | VOC | 115.78 |
| B-306 | Storage Tank B-306 (25 MB) | VOC | 115.78 |
| B-307 | Storage Tank B-307 (25 MB) | VOC | 115.78 |
| B-308 | Storage Tank B-308 (25 MB) | VOC | 115.78 |
| B-309 | Storage Tank B-309 (25 MB) | VOC | 115.78 |
| B-310 | Storage Tank B-310 (25 MB) | VOC | 115.78 |
| B-311 | Storage Tank B-311 (25 MB) | VOC | 115.78 |
| B-313 | Storage Tank B-313 (30 MB) | VOC | 46.32 |
| B-400 | Storage Tank B-400 (50 MB) | VOC | 46.32 |
| B-401 | Storage Tank B-401 (50 MB) | VOC | 46.32 |
| B-402 | Storage Tank B-402 (50 MB) | VOC | 46.32 |
| B-403 | Storage Tank B-403 (50 MB) | VOC | 46.32 |
| B-404 | Storage Tank B-404 (50 MB) | VOC | 46.32 |
| B-405 | Storage Tank B-405 (50 MB) | VOC | 46.32 |
| B-406 | Storage Tank B-406 (50 MB) | VOC | 46.32 |
| B-407 | Storage Tank B-407 (50 MB) | VOC | 46.32 |

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| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | <u>Emission Rates *</u> |
|---------------------------|----------------------------|-----------------------------|-------------------------|
| | | | <u>lb/hr **</u> |
| B-408 | Storage Tank B-408 (50 MB) | VOC | 46.32 |
| B-409 | Storage Tank B-409 (50 MB) | VOC | 46.32 |
| B-410 | Storage Tank B-410 (50 MB) | VOC | 46.32 |
| B-411 | Storage Tank B-411 (50 MB) | VOC | 46.32 |
| B-412 | Storage Tank B-412 (50 MB) | VOC | 46.32 |
| B-413 | Storage Tank B-413 (50 MB) | VOC | 46.32 |
| B-414 | Storage Tank B-414 (50 MB) | VOC | 46.32 |
| B-415 | Storage Tank B-415 (50 MB) | VOC | 46.32 |
| B-500 | Storage Tank B-500 (80 MB) | VOC | 68.82 |
| B-501 | Storage Tank B-501 (80 MB) | VOC | 68.82 |
| B-502 | Storage Tank B-502 (80 MB) | VOC | 68.82 |
| B-503 | Storage Tank B-503 (80 MB) | VOC | 68.82 |
| B-504 | Storage Tank B-504 (80 MB) | VOC | 68.82 |
| B-505 | Storage Tank B-505 (50 MB) | VOC | 68.82 |
| B-506 | Storage Tank B-506 (50 MB) | VOC | 68.82 |
| B-507 | Storage Tank B-507 (80 MB) | VOC | 68.82 |
| B-701 | Storage Tank B-701 (50 MB) | VOC | 46.32 |
| B-702 | Storage Tank B-702 (50 MB) | VOC | 46.32 |

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AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | <u>Emission Rates *</u> |
|---------------------------|-----------------------------|-----------------------------|-------------------------|
| | | | <u>lb/hr **</u> |
| B-703 | Storage Tank B-703 (50 MB) | VOC | 46.32 |
| B-704 | Storage Tank B-704 (50 MB) | VOC | 46.32 |
| B-705 | Storage Tank B-705 (50 MB) | VOC | 46.32 |
| B-706 | Storage Tank B-706 (50 MB) | VOC | 46.32 |
| B-800 | Storage Tank B-800 (150 MB) | VOC | 3.68+ |
| B-801 | Storage Tank B-801 (120 MB) | VOC | 46.32 |
| B-802 | Storage Tank B-802 (100 MB) | VOC | 1.87 |
| B-803 | Storage Tank B-803 (100 MB) | VOC | 1.87 |
| B-804 | Storage Tank B-804 (100 MB) | VOC | 1.87 |
| B-805 | Storage Tank B-805 (100 MB) | VOC | 1.87 |
| 26 | Tank V9201 (47 MB) | VOC | 2.33+ |
| 27 | Tank V9202 (5 MB) | VOC | 1.59+ |
| 28 | Tank V9203 (20 MB) | VOC | 1.83+ |
| 29 | Tank V9204 (7 MB) | VOC | 1.59+ |
| 30 | Tank V9205 (20 MB) | VOC | 1.83+ |
| 31 | Tank V9206 (8 MB) | VOC | 1.58+ |
| 32 | Tank V9217 (14 MB) | VOC | 1.58+ |

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| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | <u>Emission Rates *</u> |
|---------------------------|---------------------|-----------------------------|-------------------------|
| | | | <u>lb/hr **</u> |
| 33 | Tank V9301 (15 MB) | VOC | 1.58+ |
| 34 | Tank V9302 (8 MB) | VOC | 1.58+ |
| 35 | Tank V9303 (7.5 MB) | VOC | 1.58+ |
| 36 | Tank V9304 (8 MB) | VOC | 1.58+ |
| 37 | Tank V9305 (10 MB) | VOC | 1.58+ |
| 38 | Tank V9306 (10 MB) | VOC | 1.58+ |
| 39 | Tank V9407 (5 MB) | VOC | 2.96+ |
| 58 | Tank V9401 (115 MB) | VOC | 2.96+ |
| 59 | Tank V9402 (115 MB) | VOC | 2.96+ |
| 60 | Tank V9403 (115 MB) | VOC | 2.96+ |
| 65 | Tank V9223 (12 MB) | VOC | 3.00 |
| 67 | Tank V9701 (142 MB) | VOC | 3.68+ |
| 75 | Tank V9227 (7 MB) | VOC | 1.58+ |
| 81 | Tank V9601 (1 MB) | VOC | 0.75 |
| 82 | Tank V9602 (2 KB) | VOC | 0.11 |
| 83 | Tank V9603 (2 KB) | VOC | 0.11 |
| 84 | Tank V9604 (2 KB) | VOC | 0.11 |
| 87 | Tank V9608 (8 KB) | VOC | 0.40 |

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| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * |
|---------------------------|--|-----------------------------|---------------------|
| | | | lb/hr ** |
| 96 | Tank V9606 (8 KB) | VOC | 0.24 |
| 100 | Tank V9266 (48 MB) | VOC | 2.33+ |
| 101 | Tank V1422 (20 MB) | VOC | 3.00 |
| 103 | Waste Storage Tank V1516 (12 MB) | VOC | 1.58+ |
| 104 | Waste Sump V1517 (6) | VOC | 0.13 |
| 105 | Waste Sump V1518 (6) | VOC | 0.13 |
| 108 | Waste Sump V9246 (6) | VOC | 0.02 |
| 109 | Waste Sump V9263 (6) | VOC | 0.07 |
| 110 | Waste Sump V9264 (6) | VOC | 0.33 |
| 111 | Waste Sump V9265 (6) | VOC | 0.33 |
| 112 | Wastewater Tank V9207 (6) | VOC | 0.42 |
| 113 | Wastewater Tank V9225 (6) | VOC | 0.42 |
| 14 | Tank Truck/Railcar Loading | VOC | 0.64 |
| LR-1 | Tank Truck/Railcar Loading Rack (34 Spots) | VOC | 43.28 (per spot) |
| LR-2 | Tank Truck Loading Rack (4 Spots) | VOC | 13.52 (per spot) |
| LR-3 | Tank Truck Loading Rack | VOC | 13.52 |

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| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | <u>Emission Rates *</u> |
|---------------------------|---|-----------------------------|-------------------------|
| | | | <u>lb/hr **</u> |
| | (6 Spots) | | (per spot) |
| LR-4 | Railcar Loading Rack (24 Spots) | VOC | 43.28 (per spot) |
| LR-5 | Tank Truck Loading Rack (4 spots) | VOC | 13.52 (per spot) |
| SRT 1-5 | Tank Truck Unloading Rack | VOC | (5) |
| 1 | Ship Dock No. 1 Loading | VOC | 1.81 |
| MT-1 | Ship Dock No. 2 Loading | VOC | 22.72 |
| MT-2 | Ship Dock No. 3 Loading | VOC | 22.72 |
| 2 | Barge Dock No. 1 and No. 2 Loading | VOC | 0.31 |
| BG-1 | Barge Dock No. 3 (4 Berths) Loading | VOC | 56.80 |
| 3 | Drum Loading | VOC | 12.30 |
| FL-1 | Truck/Railcar Loading Rack (7) (Flare No. 1) | VOC | 14.99 |
| | | NO _x | 0.79 |
| | | CO | 6.81 |
| FL-2 | Styrene Storage Tanks Flare (7) | VOC | 14.99 |
| | | NO _x | 0.79 |
| | | CO | 6.81 |
| FL-3 | Loading Rack Flare No. 2 (7) | VOC | 14.99 |
| | | NO _x | 0.79 |
| | | CO | 6.81 |
| FL-4 | Marine Loading (Flare) (7) | VOC | 33.25 |

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AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * |
|---------------------------|---|-----------------------------|------------------|
| | | | lb/hr ** |
| | | NO _x | 2.08 |
| | | CO | 17.92 |
| FL-5 | Marine Flare (7) | VOC | 33.25 |
| | | NO _x | 2.08 |
| | | CO | 17.92 |
| FL-6 | Emergency Flare (7) | VOC | 0.18 |
| | | NO _x | 0.02 |
| | | CO | 0.04 |
| VO-1 | Truck/Railcar/Barge/Ship/Drum/ Storage Tanks Loading and Depressurizing (Vapor Oxidizer) (7) | VOC | 6.00 |
| | | NO _x | 10.97 |
| | | CO | 5.43 |
| | | SO ₂ | 0.04 |
| | | PM ₁₀ | 0.49 |
| FUG, FUG-M, and FU-1 | Fugitives (4) | VOC | 9.11 |
| BLR-3 | Cleaver Brooks Steam Boiler (600-Horsepower [HP]) (7) | VOC | 0.07 |
| | | NO _x | 3.48 |
| | | CO | 0.87 |
| | | SO ₂ | 0.36 |
| | | PM ₁₀ | 0.15 |
| BLR-4 | Reliance 3WB350 Steam Boiler (350-HP) (7) | VOC | 0.04 |
| | | NO _x | 2.09 |
| | | CO | 0.52 |
| | | SO ₂ | 0.21 |
| | | PM ₁₀ | 0.09 |
| B-1 | 6.5 MMBtu/hr Boiler (7) | VOC | 0.03 |
| | | NO _x | 0.63 |
| | | CO | 0.53 |

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AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | <u>Emission Rates *</u> |
|---------------------------|--------------------|-----------------------------|-------------------------|
| | | | <u>lb/hr **</u> |
| | | SO ₂ | 0.01 |
| | | PM ₁₀ | 0.05 |

Dated December 21, 2006

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES
ANNUAL

Permit Number 3467B

AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * TPY *** |
|--|---|---|---------------------------------------|
| B-001 through B-805 and 26-113 | Storage Tanks | VOC | 141.55 |
| LR-1, LR-2, LR-3, LR-4, LR-5, 3, and 14 | Truck/Rail/Drum Loading and Depressurizing All Spots (No Controls) | VOC | 4.21 |
| BG-1, MT-1, MT-2, 1, and 2 | Barge/Ship Loading, All Docks (No Controls) | VOC | 14.76 |
| FL-1, FL-2, FL-3, and FL-6 | Flares - Land Based (7) | VOC NO _x CO | 5.30 1.30 11.12 |
| FL-4 and FL-5 | Flares - Marine Loading (7) | VOC NO _x CO | 22.00 2.39 20.58 |
| VO-1 | Truck/Railcar/Barge/Ship/Drum/ Storage Tanks Loading and Depressurizing (Vapor Oxidizer) (7) | VOC NO _x CO SO ₂ PM ₁₀ | 1.93 20.46 9.12 0.07 0.82 |
| BLR-3, BLR-4, and B-1 | Steam Boilers (7) | VOC NO _x CO SO ₂ PM ₁₀ | 0.59 25.00 7.86 2.29 1.20 |
| FUG, FUG-M, and FU-1 | Fugitives (4) | VOC | 22.81 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
CO - carbon monoxide
SO₂ - sulfur dioxide
PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
 - (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
 - (5) Unloading, vapor balance, or vapor control service only (no emissions).
 - (6) Emission rates for the 6 waste sumps and the 2 wastewater tanks shall be calculated on an annual basis. **(11/06)**.
 - (7) CO and NO_x emissions shall be calculated on a rolling quarterly basis. **(11/06)**
- * 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 or 8,760 Hrs/year

** Short-term storage tank allowable emission rates are based on operation as fixed-roof tanks. Tanks shown with a '+' have been calculated based on gasoline in an internal floating roof and does not reflect maximum emission rate when operated as a fixed-roof tank.

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

Dated December 21, 2006