EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 94384

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) |
| SB-8501 | Steam Boiler 8501 | $NO_x$ | 0.2800 | 1.2300 |
| | | CO | 0.9700 | 4.2300 |
| | | $SO_2$ | 0.0100 | 0.0300 |
| | | $PM_{10}$ | 0.0900 | 0.3800 |
| | | $PM_{2.5}$ | 0.0900 | 0.3800 |
| | | VOC | 0.0600 | 0.2800 |
| SB-8502 | Steam Boiler 8502 | $NO_x$ | 0.2800 | 1.2300 |
| | | CO | 0.9700 | 4.2300 |
| | | $SO_2$ | 0.0100 | 0.0300 |
| | | $PM_{10}$ | 0.0900 | 0.3800 |
| | | $PM_{2.5}$ | 0.0900 | 0.3800 |
| | | VOC | 0.0600 | 0.2800 |
| SB-8503 | Steam Boiler 8503 | $NO_x$ | 0.2800 | 1.2300 |
| | | CO | 0.9700 | 4.2300 |
| | | $SO_2$ | 0.0100 | 0.0300 |
| | | $PM_{10}$ | 0.0900 | 0.3800 |
| | | $PM_{2.5}$ | 0.0900 | 0.3800 |
| | | VOC | 0.0600 | 0.2800 |

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| | | | | |
|---|---|---|---|---|
| SB-8504 | Steam Boiler 8504 | $NO_x$ | 0.2800 | 1.2300 |
| | | CO | 0.9700 | 4.2300 |
| | | $SO_2$ | 0.0100 | 0.0300 |
| | | $PM_{10}$ | 0.0900 | 0.3800 |
| | | $PM_{2.5}$ | 0.0900 | 0.3800 |
| | | VOC | 0.0600 | 0.2800 |
| SB-8505 | Steam Boiler 8505 | $NO_x$ | 0.2800 | 1.2300 |
| | | CO | 0.9700 | 4.2300 |
| | | $SO_2$ | 0.0100 | 0.0300 |
| | | $PM_{10}$ | 0.0900 | 0.3800 |
| | | $PM_{2.5}$ | 0.0900 | 0.3800 |
| | | VOC | 0.0600 | 0.2800 |
| SB-8506 | Steam Boiler 8506 | $NO_x$ | 0.2800 | 1.2300 |
| | | CO | 0.9700 | 4.2300 |
| | | $SO_2$ | 0.0100 | 0.0300 |
| | | $PM_{10}$ | 0.0900 | 0.3800 |
| | | $PM_{2.5}$ | 0.0900 | 0.3800 |
| | | VOC | 0.0600 | 0.2800 |
| SB-8507 | Steam Boiler 8507 | $NO_x$ | 0.2800 | 1.2300 |
| | | CO | 0.9700 | 4.2300 |
| | | $SO_2$ | 0.0100 | 0.0300 |
| | | $PM_{10}$ | 0.0900 | 0.3800 |
| | | $PM_{2.5}$ | 0.0900 | 0.3800 |
| | | VOC | 0.0600 | 0.2800 |
| SB-8508 | Steam Boiler 8508 | $NO_x$ | 0.2800 | 1.2300 |

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| | | | | |
|---|---|---|---|---|
| | | CO | 0.9700 | 4.2300 |
| | | $SO_2$ | 0.0100 | 0.0300 |
| | | $PM_{10}$ | 0.0900 | 0.3800 |
| | | $PM_{2.5}$ | 0.0900 | 0.3800 |
| | | VOC | 0.0600 | 0.2800 |
| SB-8509 | Steam Boiler 8509 | $NO_x$ | 0.2800 | 1.2300 |
| | | CO | 0.9700 | 4.2300 |
| | | $SO_2$ | 0.0100 | 0.0300 |
| | | $PM_{10}$ | 0.0900 | 0.3800 |
| | | $PM_{2.5}$ | 0.0900 | 0.3800 |
| | | VOC | 0.0600 | 0.2800 |
| SB-8510 | Steam Boiler 8510 | $NO_x$ | 0.2800 | 1.2300 |
| | | CO | 0.9700 | 4.2300 |
| | | $SO_2$ | 0.0100 | 0.0300 |
| | | $PM_{10}$ | 0.0900 | 0.3800 |
| | | $PM_{2.5}$ | 0.0900 | 0.3800 |
| | | VOC | 0.0600 | 0.2800 |
| SB-8511 | Steam Boiler 8511 | $NO_x$ | 0.2800 | 1.2300 |
| | | CO | 0.9700 | 4.2300 |
| | | $SO_2$ | 0.0100 | 0.0300 |
| | | $PM_{10}$ | 0.0900 | 0.3800 |
| | | $PM_{2.5}$ | 0.0900 | 0.3800 |
| | | VOC | 0.0600 | 0.2800 |
| SB-8512 | Steam Boiler 8512 | $NO_x$ | 0.2800 | 1.2300 |
| | | CO | 0.9700 | 4.2300 |

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| | | | | |
|---|---|---|---|---|
| | | $SO_2$ | 0.0100 | 0.0300 |
| | | $PM_{10}$ | 0.0900 | 0.3800 |
| | | $PM_{2.5}$ | 0.0900 | 0.3800 |
| | | VOC | 0.0600 | 0.2800 |
| SB-8501 through SB-8512 | Steam Boilers 8501through 8512 Combined Annual Cap (6) | $NO_x$ | | 7.8000 |
| | | CO | | 26.7600 |
| | | $SO_2$ | | 0.1900 |
| | | $PM_{10}$ | | 2.4200 |
| | | $PM_{2.5}$ | | 2.4200 |
| | | VOC | | 1.7500 |
| VCU-1 | Vapor Combustor Unit 1 Barge Dock No. 1 | $NO_x$ | 5.400 | 6.6100 |
| | | CO | 25.2700 | 30.9400 |
| | | $SO_2$ | 0.0500 | 0.0600 |
| | | $PM_{10}$ | 0.6300 | 0.7700 |
| | | $PM_{2.5}$ | 0.6300 | 0.7700 |
| | | VOC | 0.3000 | 0.1600 |
| | | $H_2S$ | 0.0003 | 0.0002 |
| VCU-2 | Vapor Combustor Unit 2 Barge Dock No. 1 | $NO_x$ | 5.400 | 6.6100 |
| | | CO | 25.2700 | 30.9400 |
| | | $SO_2$ | 0.0500 | 0.0600 |
| | | $PM_{10}$ | 0.6300 | 0.7700 |
| | | $PM_{2.5}$ | 0.6300 | 0.7700 |
| | | VOC | 0.3000 | 0.1600 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

| | | | | |
|---|---|---|---|---|
| | | $H_2S$ | 0.0003 | 0.0002 |
| VCU-1 and VCU-2 | Vapor Combustor Units 1 and 2<br>Barge Dock No. 1<br>Combined Annual Cap (6) | $NO_x$ | | 6.6100 |
| | | CO | | 30.9400 |
| | | $SO_2$ | | 0.0600 |
| | | $PM_{10}$ | | 0.7700 |
| | | $PM_{2.5}$ | | 0.7700 |
| | | VOC | | 0.1600 |
| | | $H_2S$ | | 0.0002 |
| FWP1 | Firewater Pump Engine 1 | $NO_x$ | 3.4500 | 0.0900 |
| | | CO | 3.5100 | 0.0900 |
| | | $SO_2$ | 1.0800 | 0.0300 |
| | | $PM_{10}$ | 0.1733 | 0.0050 |
| | | $PM_{2.5}$ | 0.1733 | 0.0050 |
| | | VOC | 1.3000 | 0.0300 |
| FWP2 | Firewater Pump Engine 2 | $NO_x$ | 3.4500 | 0.0900 |
| | | CO | 3.5100 | 0.0900 |
| | | $SO_2$ | 1.0800 | 0.0300 |
| | | $PM_{10}$ | 0.1733 | 0.0050 |
| | | $PM_{2.5}$ | 0.1733 | 0.0050 |
| | | VOC | 1.3000 | 0.0300 |
| FWP3 | Firewater Pump Engine 3 | $NO_x$ | 3.4500 | 0.0900 |
| | | CO | 3.5100 | 0.0900 |
| | | $SO_2$ | 1.0800 | 0.0300 |

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| | | | | |
|---|---|---|---|---|
| | | $PM_{10}$ | 0.1733 | 0.0050 |
| | | $PM_{2.5}$ | 0.1733 | 0.0050 |
| | | VOC | 1.3000 | 0.0300 |
| FWP4 | Firewater Pump Engine 4 | $NO_x$ | 3.4500 | 0.0900 |
| | | CO | 3.5100 | 0.0900 |
| | | $SO_2$ | 1.0800 | 0.0300 |
| | | $PM_{10}$ | 0.1733 | 0.0050 |
| | | $PM_{2.5}$ | 0.1733 | 0.0050 |
| | | VOC | 1.3000 | 0.0300 |
| GENENG1 | Emergency Generator Engine | $NO_x$ | 28.2200 | 0.7300 |
| | | CO | 14.7500 | 0.3800 |
| | | $SO_2$ | 1.0800 | 0.0300 |
| | | $PM_{10}$ | 0.8851 | 0.0230 |
| | | $PM_{2.5}$ | 0.8851 | 0.0230 |
| | | VOC | 18.7700 | 0.4900 |
| T009-1 | Black Oil Storage Tank 009-1 | VOC | 12.4100 | 0.1110 |
| | | $H_2S$ | 0.0120 | 0.0001 |
| T30-1 | Black Oil Storage Tank 30-1 (IFR) (7) | VOC | 4.7521 | 0.2533 |
| | | $H_2S$ | 0.0082 | 0.0003 |
| T30-2 | Black Oil Storage Tank 30-2 (IFR) (7) | VOC | 4.7521 | 0.2533 |
| | | $H_2S$ | 0.0082 | 0.0003 |
| T30-1 and T30-2 | Black Oil Storage Tanks 30-1 and 30-2 (IFR) Combined Annual Cap (6)(7) | VOC | | 0.5170 |
| | | $H_2S$ | | 0.0006 |
| T30-3 | Black Oil Storage Tank 30-3 (7) | VOC | 2.6083 | 0.0722 |
| | | $H_2S$ | 0.0053 | 0.0002 |

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| | | | | |
|---|---|---|---|---|
| T30-4 | Black Oil Storage Tank 30-4 (7) | VOC | 2.6083 | 0.0722 |
| | | $H_2S$ | 0.0053 | 0.0002 |
| T30-3 and T30-4 | Black Oil Storage Tanks 30-3 and 30-4 Combined Annual Cap (6)(7) | VOC | | 0.0722 |
| | | $H_2S$ | | 0.0003 |
| T50-1 | Black Oil Storage Tank 50-1 (IFR) (7) | VOC | 6.4821 | 0.3533 |
| | | $H_2S$ | 0.0092 | 0.0005 |
| T50-2 | Black Oil Storage Tank 50-2 (IFR) (7) | VOC | 6.4821 | 0.3533 |
| | | $H_2S$ | 0.0092 | 0.0005 |
| T50-3 | Black Oil Storage Tank 50-3 (IFR) (7) | VOC | 6.4821 | 0.3533 |
| | | $H_2S$ | 0.0092 | 0.0005 |
| T50-4 | Black Oil Storage Tank 50-4 (IFR) (7) | VOC | 6.4821 | 0.3533 |
| | | $H_2S$ | 0.0092 | 0.0005 |
| T50-5 | Black Oil Storage Tank 50-5 (IFR) (7) | VOC | 6.4821 | 0.3533 |
| | | $H_2S$ | 0.0092 | 0.0005 |
| T50-6 | Black Oil Storage Tank 50-6 (IFR) (7) | VOC | 6.4821 | 0.3533 |
| | | $H_2S$ | 0.0092 | 0.0005 |
| T50-7 | Black Oil Storage Tank 50-7 (IFR) (7) | VOC | 6.4821 | 0.3533 |
| | | $H_2S$ | 0.0092 | 0.0005 |
| T50-8 | Black Oil Storage Tank 50-8 (IFR) (7) | VOC | 6.4821 | 0.3533 |
| | | $H_2S$ | 0.0092 | 0.0005 |
| T50-1 through T50-8 | Black Oil Storage Tanks 50-1 through 50-8 (IFR) Combined Annual Cap (6)(7) | VOC | | 2.8370 |
| | | $H_2S$ | | 0.0032 |
| T50-9 | Black Oil Storage Tank 50-9 (IFR) (7) | VOC | 6.5170 | 0.2695 |
| | | $H_2S$ | 0.0063 | 0.0004 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

| | | | | |
|---|---|---|---|---|
| T50-10 | Black Oil Storage Tank 50-10 (IFR) (7) | VOC | 6.5170 | 0.2695 |
| | | $H_2S$ | 0.0063 | 0.0004 |
| T50-9 and T50-10 | Black Oil Storage Tanks 50-9 and 50-10 (IFR) Combined Annual Cap (6)(7) | VOC | | 0.5390 |
| | | $H_2S$ | | 0.0006 |
| T100-1 | Black Oil Storage Tank 100-1 (IFR) (7) | VOC | 4.2132 | 0.2063 |
| | | $H_2S$ | 0.0082 | 0.0003 |
| T100-2 | Black Oil Storage Tank 100-2 (IFR) (7) | VOC | 4.2132 | 0.2063 |
| | | $H_2S$ | 0.0082 | 0.0003 |
| T100-3 | Black Oil Storage Tank 100-3 (IFR) (7) | VOC | 4.2132 | 0.2063 |
| | | $H_2S$ | 0.0082 | 0.0003 |
| T100-4 | Black Oil Storage Tank 100-4 (IFR) (7) | VOC | 4.2132 | 0.2063 |
| | | $H_2S$ | 0.0082 | 0.0003 |
| T100-5 | Black Oil Storage Tank 100-5 (IFR) (7) | VOC | 4.2132 | 0.2063 |
| | | $H_2S$ | 0.0082 | 0.0003 |
| T100-6 | Black Oil Storage Tank 100-6 (IFR) (7) | VOC | 4.2132 | 0.2063 |
| | | $H_2S$ | 0.0082 | 0.0003 |
| T100-1 through T100-6 | Black Oil Storage Tanks 100-1 through 100-6 (IFR) Combined Annual Cap (6)(7) | VOC | | 1.2480 |
| | | $H_2S$ | | 0.0013 |
| T100-7 | Black Oil Storage Tank 100-7 (7) | VOC | 5.0500 | 1.2359 |
| | | $H_2S$ | 0.0103 | 0.0021 |
| T100-8 | Black Oil Storage Tank 100-8 (7) | VOC | 5.0500 | 1.2359 |
| | | $H_2S$ | 0.0103 | 0.0021 |
| T100-13 | Black Oil Storage Tank 100-13 | VOC | 5.0500 | 1.2359 |

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| | | | | |
|---|---|---|---|---|
| | (7) | $H_2S$ | 0.0103 | 0.0021 |
| T100-14 | Black Oil Storage Tank 100-14 (7) | VOC | 5.0500 | 1.2359 |
| | | $H_2S$ | 0.0103 | 0.0021 |
| T100-15 | Black Oil Storage Tank 100-15 (7) | VOC | 5.0500 | 1.2359 |
| | | $H_2S$ | 0.0103 | 0.0021 |
| T100-16 | Black Oil Storage Tank 100-16 (7) | VOC | 5.0500 | 1.2359 |
| | | $H_2S$ | 0.0103 | 0.0021 |
| T100-17 | Black Oil Storage Tank 100-17 (7) | VOC | 5.0500 | 1.2359 |
| | | $H_2S$ | 0.0103 | 0.0021 |
| T100-18 | Black Oil Storage Tank 100-18 (7) | VOC | 5.0500 | 1.2359 |
| | | $H_2S$ | 0.0103 | 0.0021 |
| T100-19 | Black Oil Storage Tank 100-19 (7) | VOC | 5.0500 | 1.2359 |
| | | $H_2S$ | 0.0103 | 0.0021 |
| T100-20 | Black Oil Storage Tank 100-20 (7) | VOC | 5.0500 | 1.2359 |
| | | $H_2S$ | 0.0103 | 0.0021 |
| T100-21 | Black Oil Storage Tank 100-21 (7) | VOC | 5.0500 | 1.2359 |
| | | $H_2S$ | 0.0103 | 0.0021 |
| T100-22 | Black Oil Storage Tank 100-22 (7) | VOC | 5.0500 | 1.2359 |
| | | $H_2S$ | 0.0103 | 0.0021 |
| T100-23 | Black Oil Storage Tank 100-23 (7) | VOC | 5.0500 | 1.2359 |
| | | $H_2S$ | 0.0103 | 0.0021 |
| T100-24 | Black Oil Storage Tank 100-24 (7) | VOC | 5.0500 | 1.2359 |
| | | $H_2S$ | 0.0103 | 0.0021 |
| T100-7 through T100-24 | Black Oil Storage Tanks 100-7 through 100-24 | VOC | | 1.4984 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

| | | | | |
|---|---|---|---|---|
| | | $H_2S$ | | 0.0030 |
| T100-10 | Black Oil Storage Tank T100-10 (IFR) (7) | VOC | 9.6200 | 0.4017 |
| | | $H_2S$ | 0.0093 | 0.0005 |
| T100-11 | Black Oil Storage Tank 100-11 (IFR) (7) | VOC | 9.6200 | 0.4017 |
| | | $H_2S$ | 0.0093 | 0.0005 |
| T100-10 and T100-11 | Black Oil Storage Tanks 100-10 and 100-11 (IFR) Combined Annual Cap (6)(7) | VOC | | 0.8033 |
| | | $H_2S$ | | 0.0010 |
| T150-1 | Diesel Storage Tank 150-1 (IFR) | VOC | 6.3000 | 0.4900 |
| | | $H_2S$ | 0.0100 | 0.0001 |
| T150-2 | Diesel Storage Tank 150-2 (IFR) | VOC | 6.3000 | 0.4900 |
| | | $H_2S$ | 0.0100 | 0.0001 |
| T150-3 | Diesel Storage Tank 150-3 (IFR) | VOC | 6.3000 | 0.4900 |
| | | $H_2S$ | 0.0100 | 0.0001 |
| T150-4 | Diesel Storage Tank 150-4 (IFR) | VOC | 6.3000 | 0.4900 |
| | | $H_2S$ | 0.0100 | 0.0001 |
| T150-5 | Diesel Storage Tank 150-5 (IFR) | VOC | 6.3000 | 0.4900 |
| | | $H_2S$ | 0.0100 | 0.0001 |
| T150-6 | Diesel Storage Tank 150-6 (IFR) | VOC | 6.3000 | 0.4900 |
| | | $H_2S$ | 0.0100 | 0.0001 |
| T150-1 through T150-6 | Diesel Storage Tanks 150-1 through 150-6 (IFR) Combined Annual Cap (6) | VOC | | 2.9200 |
| | | $H_2S$ | | 0.0001 |
| T200-1 | Black Oil Storage Tank 200-1 (IFR) (7) | VOC | 4.0732 | 0.3463 |
| | | $H_2S$ | 0.0070 | 0.0003 |
| T200-2 | Black Oil Storage Tank 200-2 | VOC | 4.0732 | 0.3463 |

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| | | | | |
|---|---|---|---|---|
| | (IFR) (7) | $H_2S$ | 0.0072 | 0.0004 |
| T200-3 | Black Oil Storage Tank 200-3 (IFR) (7) | VOC | 4.0732 | 0.3463 |
| | | $H_2S$ | 0.0072 | 0.0004 |
| T200-4 | Black Oil Storage Tank 200-4 (IFR) (7) | VOC | 4.0732 | 0.3463 |
| | | $H_2S$ | 0.0072 | 0.0004 |
| T200-5 | Black Oil Storage Tank 200-5 (IFR) (7) | VOC | 4.0732 | 0.3463 |
| | | $H_2S$ | 0.0072 | 0.0004 |
| T200-6 | Black Oil Storage Tank 200-6 (IFR) (7) | VOC | 4.0732 | 0.3463 |
| | | $H_2S$ | 0.0072 | 0.0004 |
| T200-7 | Black Oil Storage Tank 200-7 (IFR) (7) | VOC | 4.0732 | 0.3463 |
| | | $H_2S$ | 0.0072 | 0.0004 |
| T200-8 | Black Oil Storage Tank 200-8 (IFR) (7) | VOC | 4.0732 | 0.3463 |
| | | $H_2S$ | 0.0072 | 0.0004 |
| T200-1 through T200-8 | Black Oil Storage Tanks 200-1 through 200-8 (IFR) Combined Annual Cap (6)(7) | VOC | | 2.7410 |
| | | $H_2S$ | | 0.0028 |
| T200-9 | Black Oil Storage Tank 200-9 (7) | VOC | 5.0500 | 0.6861 |
| | | $H_2S$ | 0.0103 | 0.0011 |
| T200-10 | Black Oil Storage Tank 200-10 (7) | VOC | 5.0500 | 0.6861 |
| | | $H_2S$ | 0.0103 | 0.0011 |
| T200-11 | Black Oil Storage Tank 200-11 (7) | VOC | 5.0500 | 0.6861 |
| | | $H_2S$ | 0.0103 | 0.0011 |
| T200-12 | Black Oil Storage Tank 200-12 (7) | VOC | 5.0500 | 0.6861 |
| | | $H_2S$ | 0.0103 | 0.0011 |
| T200-9 through T200-12 | Black Oil Storage Tanks 200-9 through 200-12 Combined Annual Caps (6)(7) | VOC | - | 0.8244 |
| | | $H_2S$ | - | 0.0021 |

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|---|---|---|---|---|
| T320-1 | Black Oil Storage Tank 320-1 (7) | VOC | 5.0500 | 0.8185 |
| | | $H_2S$ | 0.0103 | 0.0021 |
| T320-2 | Black Oil Storage Tank 320-2 (7) | VOC | 5.0500 | 0.8185 |
| | | $H_2S$ | 0.0103 | 0.0021 |
| T320-3 | Black Oil Storage Tank 320-3 (7) | VOC | 5.0500 | 0.8185 |
| | | $H_2S$ | 0.0103 | 0.0021 |
| T320-1 through T-320-3 | Black Oil Storage Tanks 320-1 through 320-3 Combined Annual Cap (6)(7) | VOC | | 0.9593 |
| | | $H_2S$ | | 0.0021 |
| BRGDK-1 | Barge Dock No. 1 | VOC | 2.1300 | 2.2700 |
| | | $H_2S$ | 0.0040 | 0.0040 |
| BRGDK-2/3 | Barge Dock No. 2/ 3 | VOC | 2.1300 | 2.2700 |
| | | $H_2S$ | 0.0040 | 0.0040 |
| SHPDK-1 | Ship Dock No. 1 | VOC | 16.9300 | 4.6900 |
| | | $H_2S$ | 0.0100 | 0.0100 |
| BRGDK-1, BRGDK-2/3, SHPDK-1 | Marine Docks Combined Annual Cap (6) | VOC | | 5.9400 |
| | | $H_2S$ | | 0.0070 |
| FUG-A1 | Equipment Fugitives Area 1 (5) | VOC | 0.1000 | 0.4200 |
| | | $H_2S$ | 0.0010 | 0.0010 |
| FUG-A2 | Equipment Fugitives Area 2 (5) | VOC | 0.0100 | 0.0300 |
| | | $H_2S$ | 0.0010 | 0.0010 |
| FUG-A3 | Equipment Fugitives Area 3 (5) | VOC | 0.0800 | 0.3500 |
| | | $H_2S$ | 0.0010 | 0.0010 |
| FUG-A6 | Equipment Fugitives Area 6 (5) | VOC | 0.0500 | 0.2000 |
| | | $H_2S$ | 0.0010 | 0.0010 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

| | | | | |
|---|---|---|---|---|
| FUG-BRDG1 | Equipment Fugitives BRGDK1 (5) | VOC | 0.0100 | 0.0400 |
| | | $H_2S$ | 0.0010 | 0.0010 |
| FUG-BRDG2/3 | Equipment Fugitives BRGDK2/3 (5) | VOC | 0.0200 | 0.0700 |
| | | $H_2S$ | 0.0010 | 0.0010 |
| FUG-SHP1 | Equipment Fugitives SHPDK1 (5) | VOC | 0.0200 | 0.1000 |
| | | $H_2S$ | 0.0010 | 0.0010 |
| FUG-RC1 | Equipment Fugitives Railcar Unloading Rack (5) | VOC | 0.0200 | 0.1000 |
| | | $H_2S$ | 0.0010 | 0.0010 |
| OWS-1 | Oil/Water Separator | VOC | 0.2800 | 0.0200 |
| T-8004A | WW Accumulated Oil Tank 8004A | VOC | 0.0600 | 0.0100 |
| T-8004B | WW Accumulated Oil Tank 8004B | VOC | 0.0600 | 0.0100 |
| W20-1 | Pretreated Wastewater Tank W20-1 | VOC | 0.0700 | 0.0050 |
| W20-2 | Pretreated Wastewater Tank W20-2 | VOC | 0.0700 | 0.0050 |
| W20-1 and W20-2 | Pretreated Wastewater Tanks W20-1 and W20-2 Combined Annual Cap (6) | VOC | | 0.0050 |
| **PLANNED MAINTENANCE, STARTUP, AND SHUTDOWN EMISSIONS** | | | | |
| T30-1 | IFR Landing Loss | VOC | 2.3425 | 0.0016 |
| | | $H_2S$ | 0.0024 | 0.0001 |
| T30-2 | IFR Landing Loss | VOC | 2.3425 | 0.0016 |
| | | $H_2S$ | 0.0024 | 0.0001 |
| T50-1 | IFR Landing Loss | VOC | 2.3425 | 0.0016 |
| | | $H_2S$ | 0.0024 | 0.0001 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

| | | | | |
|---|---|---|---|---|
| T50-2 | IFR Landing Loss | VOC | 2.3425 | 0.0016 |
| | | $H_2S$ | 0.0024 | 0.0001 |
| T50-3 | IFR Landing Loss | VOC | 2.3425 | 0.0016 |
| | | $H_2S$ | 0.0024 | 0.0001 |
| T50-4 | IFR Landing Loss | VOC | 2.3425 | 0.0016 |
| | | $H_2S$ | 0.0024 | 0.0001 |
| T50-5 | IFR Landing Loss | VOC | 2.3425 | 0.0016 |
| | | $H_2S$ | 0.0024 | 0.0001 |
| T50-6 | IFR Landing Loss | VOC | 2.3425 | 0.0016 |
| | | $H_2S$ | 0.0024 | 0.0001 |
| T50-7 | IFR Landing Loss | VOC | 2.3425 | 0.0016 |
| | | $H_2S$ | 0.0024 | 0.0001 |
| T50-8 | IFR Landing Loss | VOC | 2.3425 | 0.0016 |
| | | $H_2S$ | 0.0024 | 0.0001 |
| T50-9 | IFR Landing Loss | VOC | 2.3425 | 0.0016 |
| | | $H_2S$ | 0.0024 | 0.0001 |
| T50-10 | IFR Landing Loss | VOC | 2.3425 | 0.0016 |
| | | $H_2S$ | 0.0024 | 0.0001 |
| T100-1 | IFR Landing Loss | VOC | 0.9745 | 0.0020 |
| | | $H_2S$ | 0.0010 | 0.0001 |
| T100-2 | IFR Landing Loss | VOC | 0.9745 | 0.0020 |
| | | $H_2S$ | 0.0010 | 0.0001 |
| T100-3 | IFR Landing Loss | VOC | 0.9745 | 0.0020 |
| | | $H_2S$ | 0.0010 | 0.0001 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

| | | | | |
|---|---|---|---|---|
| T100-4 | IFR Landing Loss | VOC | 0.9745 | 0.0020 |
| | | $H_2S$ | 0.0010 | 0.0001 |
| T100-5 | IFR Landing Loss | VOC | 0.9745 | 0.0020 |
| | | $H_2S$ | 0.0010 | 0.0001 |
| T100-6 | IFR Landing Loss | VOC | 0.9745 | 0.0020 |
| | | $H_2S$ | 0.0010 | 0.0001 |
| T100-10 | IFR Landing Loss | VOC | 2.3425 | 0.0045 |
| | | $H_2S$ | 0.0024 | 0.0001 |
| T100-11 | IFR Landing Loss | VOC | 2.3425 | 0.0045 |
| | | $H_2S$ | 0.0024 | 0.0001 |
| T150-1 | IFR Landing Loss | VOC | 1.5740 | 0.0021 |
| | | $H_2S$ | 0.0020 | 0.0001 |
| T150-2 | IFR Landing Loss | VOC | 1.5740 | 0.0021 |
| | | $H_2S$ | 0.0020 | 0.0001 |
| T150-3 | IFR Landing Loss | VOC | 1.5740 | 0.0021 |
| | | $H_2S$ | 0.0020 | 0.0001 |
| T150-4 | IFR Landing Loss | VOC | 1.5740 | 0.0021 |
| | | $H_2S$ | 0.0020 | 0.0001 |
| T150-5 | IFR Landing Loss | VOC | 1.5740 | 0.0021 |
| | | $H_2S$ | 0.0020 | 0.0001 |
| T150-6 | IFR Landing Loss | VOC | 1.5740 | 0.0021 |
| | | $H_2S$ | 0.0020 | 0.0001 |
| T200-1 | IFR Landing Loss | VOC | 0.9745 | 0.0020 |
| | | $H_2S$ | 0.0010 | 0.0001 |
| T200-2 | IFR Landing Loss | VOC | 0.9745 | 0.0020 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

| | | | | |
|---|---|---|---|---|
| | | $H_2S$ | 0.0010 | 0.0001 |
| T200-3 | IFR Landing Loss | VOC | 0.9745 | 0.0020 |
| | | $H_2S$ | 0.0010 | 0.0001 |
| T200-4 | IFR Landing Loss | VOC | 0.9745 | 0.0020 |
| | | $H_2S$ | 0.0010 | 0.0001 |
| T200-5 | IFR Landing Loss | VOC | 0.9745 | 0.0020 |
| | | $H_2S$ | 0.0010 | 0.0001 |
| T200-6 | IFR Landing Loss | VOC | 0.9745 | 0.0020 |
| | | $H_2S$ | 0.0010 | 0.0001 |
| T200-7 | IFR Landing Loss | VOC | 0.9745 | 0.0020 |
| | | $H_2S$ | 0.0010 | 0.0001 |
| T200-8 | IFR Landing Loss | VOC | 0.9745 | 0.0020 |
| | | $H_2S$ | 0.0010 | 0.0001 |
| T30-1 | IFR Tank Degassing | VOC | 1.5491 | 0.0010 |
| | | $H_2S$ | 0.0016 | 0.0001 |
| T30-2 | IFR Tank Degassing | VOC | 1.5491 | 0.0010 |
| | | $H_2S$ | 0.0016 | 0.0001 |
| T50-1 | IFR Tank Degassing | VOC | 2.1359 | 0.0013 |
| | | $H_2S$ | 0.0021 | 0.0001 |
| T50-2 | IFR Tank Degassing | VOC | 2.1359 | 0.0013 |
| | | $H_2S$ | 0.0021 | 0.0001 |
| T50-3 | IFR Tank Degassing | VOC | 2.1359 | 0.0013 |
| | | $H_2S$ | 0.0021 | 0.0001 |
| T50-4 | IFR Tank Degassing | VOC | 2.1359 | 0.0013 |
| | | $H_2S$ | 0.0021 | 0.0001 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

| | | | | |
|---|---|---|---|---|
| T50-5 | IFR Tank Degassing | VOC | 2.1359 | 0.0013 |
| | | $H_2S$ | 0.0021 | 0.0001 |
| T50-6 | IFR Tank Degassing | VOC | 2.1359 | 0.0013 |
| | | $H_2S$ | 0.0021 | 0.0001 |
| T50-7 | IFR Tank Degassing | VOC | 2.1359 | 0.0013 |
| | | $H_2S$ | 0.0021 | 0.0001 |
| T50-8 | IFR Tank Degassing | VOC | 2.1359 | 0.0013 |
| | | $H_2S$ | 0.0021 | 0.0001 |
| T50-9 | IFR Tank Degassing | VOC | 3.7306 | 0.0021 |
| | | $H_2S$ | 0.0037 | 0.0001 |
| T50-10 | IFR Tank Degassing | VOC | 3.7306 | 0.0021 |
| | | $H_2S$ | 0.0037 | 0.0001 |
| T100-1 | IFR Tank Degassing | VOC | 2.4228 | 0.0015 |
| | | $H_2S$ | 0.0024 | 0.0001 |
| T100-2 | IFR Tank Degassing | VOC | 2.4228 | 0.0015 |
| | | $H_2S$ | 0.0024 | 0.0001 |
| T100-3 | IFR Tank Degassing | VOC | 2.4228 | 0.0015 |
| | | $H_2S$ | 0.0024 | 0.0001 |
| T100-4 | IFR Tank Degassing | VOC | 2.4228 | 0.0015 |
| | | $H_2S$ | 0.0024 | 0.0001 |
| T100-5 | IFR Tank Degassing | VOC | 2.4228 | 0.0015 |
| | | $H_2S$ | 0.0024 | 0.0001 |
| T100-6 | IFR Tank Degassing | VOC | 2.4228 | 0.0015 |
| | | $H_2S$ | 0.0024 | 0.0001 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

| | | | | |
|---|---|---|---|---|
| T100-10 | IFR Tank Degassing | VOC | 5.3994 | 0.0043 |
| | | $H_2S$ | 0.0054 | 0.0001 |
| T100-11 | IFR Tank Degassing | VOC | 5.3994 | 0.0043 |
| | | $H_2S$ | 0.0054 | 0.0001 |
| T150-1 | IFR Tank Degassing | VOC | 5.2997 | 0.0033 |
| | | $H_2S$ | 0.0053 | 0.0001 |
| T150-2 | IFR Tank Degassing | VOC | 5.2997 | 0.0033 |
| | | $H_2S$ | 0.0053 | 0.0001 |
| T150-3 | IFR Tank Degassing | VOC | 5.2997 | 0.0033 |
| | | $H_2S$ | 0.0053 | 0.0001 |
| T150-4 | IFR Tank Degassing | VOC | 5.2997 | 0.0033 |
| | | $H_2S$ | 0.0053 | 0.0001 |
| T150-5 | IFR Tank Degassing | VOC | 5.2997 | 0.0033 |
| | | $H_2S$ | 0.0053 | 0.0001 |
| T150-6 | IFR Tank Degassing | VOC | 5.2997 | 0.0033 |
| | | $H_2S$ | 0.0053 | 0.0001 |
| T200-1 | IFR Tank Degassing | VOC | 4.8106 | 0.0030 |
| | | $H_2S$ | 0.0048 | 0.0001 |
| T200-2 | IFR Tank Degassing | VOC | 4.8106 | 0.0030 |
| | | $H_2S$ | 0.0048 | 0.0001 |
| T200-3 | IFR Tank Degassing | VOC | 4.8106 | 0.0030 |
| | | $H_2S$ | 0.0048 | 0.0001 |
| T200-4 | IFR Tank Degassing | VOC | 4.8106 | 0.0030 |
| | | $H_2S$ | 0.0048 | 0.0001 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

| | | | | |
|---|---|---|---|---|
| T200-5 | IFR Tank Degassing | VOC | 4.8106 | 0.0030 |
| | | $H_2S$ | 0.0048 | 0.0001 |
| T200-6 | IFR Tank Degassing | VOC | 4.8106 | 0.0030 |
| | | $H_2S$ | 0.0048 | 0.0001 |
| T200-7 | IFR Tank Degassing | VOC | 4.8106 | 0.0030 |
| | | $H_2S$ | 0.0048 | 0.0001 |
| T200-8 | IFR Tank Degassing | VOC | 4.8106 | 0.0030 |
| | | $H_2S$ | 0.0048 | 0.0001 |
| T-30-1 thru T200-8 | IFR Landing and Degassing Tanks 30-1 thru 200-8 Combined Annual Cap (6) | VOC | | 0.1547 |
| | | $H_2S$ | | 0.0068 |

(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.
IFR - internal floating roof
VCU - vapor combustor unit
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
$H_2S$ - hydrogen sulfide
$NO_x$ - total oxides of nitrogen
CO - carbon monoxide
$SO_2$ - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including $PM_{10}$ and $PM_{2.5}$, as represented
$PM_{10}$ - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
(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) The combined annual emissions of all associated EPNs shall not exceed the Combined Annual Cap.
(7) The Emissions Rate includes routine tank emissions and sparging emissions. Sparging emissions are limited to heavy black oil storage operations.

Date: June 11, 2014