

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 8501 through 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	5.4000	6.6100
		CO	25.2700	30.94
		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 ₂ S	0.0003	0.0002
VCU-2	Vapor Combustor Unit 2 Barge Dock No. 1	NO _x	5.4000	6.6100
		CO	25.2700	30.94
		SO ₂	0.0500	0.0600
		PM ₁₀	0.6300	0.7700
		PM _{2.5}	0.6300	0.7700
		VOC	0.3000	0.1600

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		H ₂ S	0.0003	0.0002
VCU-1 and VCU-2	Vapor Combustor Units 1 and 2 Barge Dock No. 1 Combined Annual Cap (6)	NO _x		6.6100
		CO		30.94
		SO ₂		0.0600
		PM ₁₀		0.7700
		PM _{2.5}		0.7700
		VOC		0.1600
		H ₂ S		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 ₂ S	0.0120	0.0001
T30-1	Black Oil Storage Tank 30-1 (IFR)	VOC	4.5700	0.2400
		H ₂ S	0.0080	0.0002
T30-2	Black Oil Storage Tank 30-2 (IFR)	VOC	4.5700	0.2400
		H ₂ S	0.0080	0.0002
T30-1 and T30-2	Black Oil Storage Tanks 30-1 and 30-2 (IFR) Combined Annual Cap (6)	VOC		0.4900
		H ₂ S		0.0005
T30-3	Black Oil Storage Tank 30-3	VOC	2.4400	0.0600
		H ₂ S	0.0050	0.0001

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T30-4	Black Oil Storage Tank 30-4	VOC	2.4400	0.0600
		H ₂ S	0.0050	0.0001
T30-3 and T30-4	Black Oil Storage Tanks 30-3 and 30-4 Combined Annual Cap (6)	VOC		0.0600
		H ₂ S		0.0002
T50-1	Black Oil Storage Tank 50-1 (IFR)	VOC	6.3000	0.3400
		H ₂ S	0.0090	0.0003
T50-2	Black Oil Storage Tank 50-2 (IFR)	VOC	6.3000	0.3400
		H ₂ S	0.0090	0.0003
T50-3	Black Oil Storage Tank 50-3 (IFR)	VOC	6.3000	0.3400
		H ₂ S	0.0090	0.0003
T50-4	Black Oil Storage Tank 50-4 (IFR)	VOC	6.3000	0.3400
		H ₂ S	0.0090	0.0003
T50-5	Black Oil Storage Tank 50-5 (IFR)	VOC	6.3000	0.3400
		H ₂ S	0.0090	0.0003
T50-6	Black Oil Storage Tank 50-6 (IFR)	VOC	6.3000	0.3400
		H ₂ S	0.0090	0.0003
T50-7	Black Oil Storage Tank 50-7 (IFR)	VOC	6.3000	0.3400
		H ₂ S	0.0090	0.0003
T50-8	Black Oil Storage Tank 50-8 (IFR)	VOC	6.3000	0.3400
		H ₂ S	0.0090	0.0003
T50-1 through T50-8	Black Oil Storage Tanks 50-1 through 50-8 (IFR) Combined Annual Cap (6)	VOC		2.7300
		H ₂ S		0.0030
T50-9	Black Oil Storage Tank 50-9 (IFR)	VOC	6.3470	0.2573
		H ₂ S	0.0060	0.0003

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T50-10	Black Oil Storage Tank 50-10 (IFR)	VOC	6.3470	0.2573
		H ₂ S	0.0060	0.0003
T50-9 and T50-10	Black Oil Storage Tanks 50-9 and 50-10 (IFR) Combined Annual Cap (6)	VOC		0.5146
		H ₂ S		0.0005
T100-1	Black Oil Storage Tank 100-1 (IFR)	VOC	4.0400	0.2000
		H ₂ S	0.0080	0.0002
T100-2	Black Oil Storage Tank 100-2 (IFR)	VOC	4.0400	0.2000
		H ₂ S	0.0080	0.0002
T100-3	Black Oil Storage Tank 100-3 (IFR)	VOC	4.0400	0.2000
		H ₂ S	0.0080	0.0002
T100-4	Black Oil Storage Tank 100-4 (IFR)	VOC	4.0400	0.2000
		H ₂ S	0.0080	0.0002
T100-5	Black Oil Storage Tank 100-5 (IFR)	VOC	4.0400	0.2000
		H ₂ S	0.0080	0.0002
T100-6	Black Oil Storage Tank 100-6 (IFR)	VOC	4.0400	0.2000
		H ₂ S	0.0080	0.0002
T100-1 through T100-6	Black Oil Storage Tanks 100-1 through 100-6 (IFR) Combined Annual Cap (6)	VOC		1.2100
		H ₂ S		0.0012
T100-7	Black Oil Storage Tank 100-7	VOC	4.8800	1.2300
		H ₂ S	0.0100	0.0020
T100-8	Black Oil Storage Tank 100-8	VOC	4.8800	1.2300
		H ₂ S	0.0100	0.0020
T100-13	Black Oil Storage Tank 100-13	VOC	4.8800	1.2300

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		H ₂ S	0.0100	0.0020
T100-14	Black Oil Storage Tank 100-14	VOC	4.8800	1.2300
		H ₂ S	0.0100	0.0020
T100-15	Black Oil Storage Tank 100-15	VOC	4.8800	1.2300
		H ₂ S	0.0100	0.0020
T100-16	Black Oil Storage Tank 100-16	VOC	4.8800	1.2300
		H ₂ S	0.0100	0.0020
T100-17	Black Oil Storage Tank 100-17	VOC	4.8800	1.2300
		H ₂ S	0.0100	0.0020
T100-18	Black Oil Storage Tank 100-18	VOC	4.8800	1.2300
		H ₂ S	0.0100	0.0020
T100-19	Black Oil Storage Tank 100-19	VOC	4.8800	1.2300
		H ₂ S	0.0100	0.0020
T100-20	Black Oil Storage Tank 100-20	VOC	4.8800	1.2300
		H ₂ S	0.0100	0.0020
T100-21	Black Oil Storage Tank 100-21	VOC	4.8800	1.2300
		H ₂ S	0.0100	0.0020
T100-22	Black Oil Storage Tank 100-22	VOC	4.8800	1.2300
		H ₂ S	0.0100	0.0020
T100-23	Black Oil Storage Tank 100-23	VOC	4.8800	1.2300
		H ₂ S	0.0100	0.0020
T100-24	Black Oil Storage Tank 100-24	VOC	4.8800	1.2300
		H ₂ S	0.0100	0.0020
T100-7 through T100-24	Black Oil Storage Tanks 100-7 through 100-24	VOC		1.404

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		H ₂ S		0.0028
T100-10	Black Oil Storage Tank T100-10 (IFR)	VOC	9.4500	0.3895
		H ₂ S	0.0090	0.0004
T100-11	Black Oil Storage Tank 100-11 (IFR)	VOC	9.4500	0.3895
		H ₂ S	0.0090	0.0004
T100-10 and T100-11	Black Oil Storage Tanks 100-10 and 100-11 (IFR) Combined Annual Cap (6)	VOC		0.7789
		H ₂ S		0.0008
T150-1	Diesel Storage Tank 150-1 (IFR)	VOC	6.3000	0.4900
		H ₂ S	0.0100	0.0001
T150-2	Diesel Storage Tank 150-2 (IFR)	VOC	6.3000	0.4900
		H ₂ S	0.0100	0.0001
T150-3	Diesel Storage Tank 150-3 (IFR)	VOC	6.3000	0.4900
		H ₂ S	0.0100	0.0001
T150-4	Diesel Storage Tank 150-4 (IFR)	VOC	6.3000	0.4900
		H ₂ S	0.0100	0.0001
T150-5	Diesel Storage Tank 150-5 (IFR)	VOC	6.3000	0.4900
		H ₂ S	0.0100	0.0001
T150-6	Diesel Storage Tank 150-6 (IFR)	VOC	6.3000	0.4900
		H ₂ S	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 ₂ S		0.0001
T200-1	Black Oil Storage Tank 200-1 (IFR)	VOC	3.9000	0.3400
		H ₂ S	0.0070	0.0003
T200-2	Black Oil Storage Tank 200-2	VOC	3.9000	0.3400

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	(IFR)	H ₂ S	0.0070	0.0003
T200-3	Black Oil Storage Tank 200-3 (IFR)	VOC	3.9000	0.3400
		H ₂ S	0.0070	0.0003
T200-4	Black Oil Storage Tank 200-4 (IFR)	VOC	3.9000	0.3400
		H ₂ S	0.0070	0.0003
T200-5	Black Oil Storage Tank 200-5 (IFR)	VOC	3.9000	0.3400
		H ₂ S	0.0070	0.0003
T200-6	Black Oil Storage Tank 200-6 (IFR)	VOC	3.9000	0.3400
		H ₂ S	0.0070	0.0003
T200-7	Black Oil Storage Tank 200-7 (IFR)	VOC	3.9000	0.3400
		H ₂ S	0.0070	0.0003
T200-8	Black Oil Storage Tank 200-8 (IFR)	VOC	3.9000	0.3400
		H ₂ S	0.0070	0.0003
T200-1 through T200-8	Black Oil Storage Tanks 200-1 through 200-8 (IFR) Combined Annual Cap (6)	VOC		2.6900
		H ₂ S		0.0027
T200-9	Black Oil Storage Tank 200-9	VOC	4.8800	0.6800
		H ₂ S	0.0100	0.0010
T200-10	Black Oil Storage Tank 200-10	VOC	4.8800	0.6800
		H ₂ S	0.0100	0.0010
T200-11	Black Oil Storage Tank 200-11	VOC	4.8800	0.6800
		H ₂ S	0.0100	0.0010
T200-12	Black Oil Storage Tank 200-12	VOC	4.8800	0.6800
		H ₂ S	0.0100	0.0010
T200-9 through T200-12	Black Oil Storage Tanks 200-9 through 200-12 Combined Annual Caps (6)	VOC	-	0.8000
		H ₂ S	-	0.0020

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T320-1	Black Oil Storage Tank 320-1	VOC	4.8800	0.8145
		H ₂ S	0.0100	0.0020
T320-2	Black Oil Storage Tank 320-2	VOC	4.8800	0.8145
		H ₂ S	0.0100	0.0020
T320-3	Black Oil Storage Tank 320-3	VOC	4.8800	0.8145
		H ₂ S	0.0100	0.0020
T320-1 through T-320-3	Black Oil Storage Tanks 320-1 through 320-3 Combined Annual Cap (6)	VOC		0.9410
		H ₂ S		0.0020
BRGDK-1	Barge Dock No. 1	VOC	2.1300	2.2700
		H ₂ S	0.0040	0.0040
BRGDK-2/3	Barge Dock No. 2/ 3	VOC	2.1300	2.2700
		H ₂ S	0.0040	0.0040
SHPDK-1	Ship Dock No. 1	VOC	16.9300	4.6900
		H ₂ S	0.0170	0.0070
BRGDK-1, BRGDK-2/3, SHPDK-1	Marine Docks Combined Annual Cap (6)	VOC		5.9400
		H ₂ S		0.0070
FUG-A1	Equipment Fugitives Area 1 (5)	VOC	0.1000	0.4200
		H ₂ S	0.0010	0.0010
FUG-A2	Equipment Fugitives Area 2 (5)	VOC	0.0100	0.0300
		H ₂ S	0.0010	0.0010
FUG-A3	Equipment Fugitives Area 3 (5)	VOC	0.0800	0.3500
		H ₂ S	0.0010	0.0010
FUG-A6	Equipment Fugitives Area 6 (5)	VOC	0.0500	0.2000
		H ₂ S	0.0010	0.0010

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FUG-BRDG1	Equipment Fugitives BRGDK1 (5)	VOC	0.0100	0.0400
		H ₂ S	0.0010	0.0010
FUG-BRDG2/3	Equipment Fugitives BRGDK2/3 (5)	VOC	0.0200	0.0700
		H ₂ S	0.0010	0.0010
FUG-SHP1	Equipment Fugitives SHPDK1 (5)	VOC	0.0200	0.1000
		H ₂ S	0.0010	0.0010
FUG-RC1	Equipment Fugitives Railcar Unloading Rack (5)	VOC	0.0200	0.1000
		H ₂ S	0.0010	0.0010
OWS-1	Oil/Water Separator	VOC	0.2800	0.0020
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	0.07	0.0050
W20-2	Pretreated Wastewater Tank W20-2	VOC	0.07	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 ₂ S	0.0024	0.0001
T30-2	IFR Landing Loss	VOC	2.3425	0.0016
		H ₂ S	0.0024	0.0001
T50-1	IFR Landing Loss	VOC	2.3425	0.0022
		H ₂ S	0.0024	0.0001

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T50-2	IFR Landing Loss	VOC	2.3425	0.0022
		H ₂ S	0.0024	0.0001
T50-3	IFR Landing Loss	VOC	2.3425	0.0022
		H ₂ S	0.0024	0.0001
T50-4	IFR Landing Loss	VOC	2.3425	0.0022
		H ₂ S	0.0024	0.0001
T50-5	IFR Landing Loss	VOC	2.3425	0.0022
		H ₂ S	0.0024	0.0001
T50-6	IFR Landing Loss	VOC	2.3425	0.0022
		H ₂ S	0.0024	0.0001
T50-7	IFR Landing Loss	VOC	2.3425	0.0022
		H ₂ S	0.0024	0.0001
T50-8	IFR Landing Loss	VOC	2.3425	0.0022
		H ₂ S	0.0024	0.0001
T50-9	IFR Landing Loss	VOC	2.3425	0.0022
		H ₂ S	0.0024	0.0001
T50-10	IFR Landing Loss	VOC	2.3425	0.0022
		H ₂ S	0.0024	0.0001
T100-1	IFR Landing Loss	VOC	0.9745	0.0020
		H ₂ S	0.0010	0.0001
T100-2	IFR Landing Loss	VOC	0.9745	0.0020
		H ₂ S	0.0010	0.0001
T100-3	IFR Landing Loss	VOC	0.9745	0.0020
		H ₂ S	0.0010	0.0001

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

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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

T200-5	IFR Tank Degassing	VOC	4.8106	0.0030
		H ₂ S	0.0048	0.0001
T200-6	IFR Tank Degassing	VOC	4.8106	0.0030
		H ₂ S	0.0048	0.0001
T200-7	IFR Tank Degassing	VOC	4.8106	0.0030
		H ₂ S	0.0048	0.0001
T200-8	IFR Tank Degassing	VOC	4.8106	0.0030
		H ₂ S	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 ₂ S		0.0068
T30-1	Black Oil Tank Sparging (7)	VOC	0.1821	0.0133
		H ₂ S	0.0002	0.0001
T30-2	Black Oil Tank Sparging (7)	VOC	0.1821	0.0133
		H ₂ S	0.0002	0.0001
T30-1 and T30-2	Black Oil Tank Sparging Tanks 30-1 and 30-2 Combined Annual Cap (6) (7)	VOC		0.0270
		H ₂ S		0.0001
T30-3	Black Oil Tank Sparging	VOC	0.1683	0.0122
		H ₂ S	0.0003	0.0001
T30-4	Black Oil Tank Sparging	VOC	0.1683	0.0122
		H ₂ S	0.0003	0.0001
T30-3 and T30-4	Black Oil Tank Sparging Tanks 30-3 and 30-4 Combined Annual Cap (6)	VOC		0.0122
		H ₂ S		0.0001
T50-1	Black Oil Tank Sparging (7)	VOC	0.1821	0.0133
		H ₂ S	0.0002	0.0002

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

T50-2	Black Oil Tank Sparging (7)	VOC	0.1821	0.0133
		H ₂ S	0.0002	0.0002
T50-3	Black Oil Tank Sparging (7)	VOC	0.1821	0.0133
		H ₂ S	0.0002	0.0002
T50-4	Black Oil Tank Sparging (7)	VOC	0.1821	0.0133
		H ₂ S	0.0002	0.0002
T50-5	Black Oil Tank Sparging (7)	VOC	0.1821	0.0133
		H ₂ S	0.0002	0.0002
T50-6	Black Oil Tank Sparging (7)	VOC	0.1821	0.0133
		H ₂ S	0.0002	0.0002
T50-7	Black Oil Tank Sparging (7)	VOC	0.1821	0.0133
		H ₂ S	0.0002	0.0002
T50-8	Black Oil Tank Sparging (7)	VOC	0.1821	0.0133
		H ₂ S	0.0002	0.0002
T50-1 through T50-8	Black Oil Tank Sparging Tanks 50-1 through 50-8 Combined Annual Cap (6) (7)	VOC		0.1070
		H ₂ S		0.0001
T50-9	Black Oil Tank Sparging (7)	VOC	0.1700	0.0122
		H ₂ S	0.0003	0.0001
T50-10	Black Oil Tank Sparging (7)	VOC	0.1700	0.0122
		H ₂ S	0.0003	0.0001
T50-9 and T50-10	Black Oil Tank Sparging Tanks 50-9 and 50-10 Combined Annual Cap (6) (7)	VOC		0.0244
		H ₂ S		0.0001
T100-1	Black Oil Tank Sparging	VOC	0.1732	0.0063
		H ₂ S	0.0002	0.0001
T100-2	Black Oil Tank Sparging	VOC	0.1732	0.0063

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

		H ₂ S	0.0002	0.0001
T100-3	Black Oil Tank Sparging	VOC	0.1732	0.0063
		H ₂ S	0.0002	0.0001
T100-4	Black Oil Tank Sparging	VOC	0.1732	0.0063
		H ₂ S	0.0002	0.0001
T100-5	Black Oil Tank Sparging	VOC	0.1732	0.0063
		H ₂ S	0.0002	0.0001
T100-6	Black Oil Tank Sparging	VOC	0.1732	0.0063
		H ₂ S	0.0002	0.0001
T100-1 through T100-6	Black Oil Tank Sparging Tanks 100-1 through 100-6 Combined Annual Cap (6)	VOC		0.03800
		H ₂ S		0.0001
T100-7	Black Oil Tank Sparging	VOC	0.1700	0.0059
		H ₂ S	0.0003	0.0001
T100-8	Black Oil Tank Sparging	VOC	0.1700	0.0059
		H ₂ S	0.0003	0.0001
T100-13	Black Oil Tank Sparging	VOC	0.1700	0.0059
		H ₂ S	0.0003	0.0001
T100-14	Black Oil Tank Sparging	VOC	0.1700	0.0059
		H ₂ S	0.0003	0.0001
T100-15	Black Oil Tank Sparging	VOC	0.1700	0.0059
		H ₂ S	0.0003	0.0001
T100-16	Black Oil Tank Sparging	VOC	0.1700	0.0059
		H ₂ S	0.0003	0.0001
T100-17	Black Oil Tank Sparging	VOC	0.1700	0.0059
		H ₂ S	0.0003	0.0001

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

T100-18	Black Oil Tank Sparging	VOC	0.1700	0.0059
		H ₂ S	0.0003	0.0001
T100-19	Black Oil Tank Sparging	VOC	0.1700	0.0059
		H ₂ S	0.0003	0.0001
T100-20	Black Oil Tank Sparging	VOC	0.1700	0.0059
		H ₂ S	0.0003	0.0001
T100-21	Black Oil Tank Sparging	VOC	0.1700	0.0059
		H ₂ S	0.0003	0.0001
T100-22	Black Oil Tank Sparging	VOC	0.1700	0.0059
		H ₂ S	0.0003	0.0001
T100-23	Black Oil Tank Sparging	VOC	0.1700	0.0059
		H ₂ S	0.0003	0.0001
T100-24	Black Oil Tank Sparging	VOC	0.1700	0.0059
		H ₂ S	0.0003	0.0001
T100-7 through T-100-24	Black Oil Tank Sparging Tanks 100-1 through 100-24 Combined Annual Cap (6)	VOC		0.0944
		H ₂ S		0.0002
T100-10	Black Oil Tank Sparging (7)	VOC	0.1700	0.0122
		H ₂ S	0.0003	0.0001
T100-11	Black Oil Tank Sparging (7)	VOC	0.1700	0.0122
		H ₂ S	0.0003	0.0001
T100-10 and T100-11	Black Oil Tank Sparging Tanks 100-10 and 100-11 Combined Annual Cap (6) (7)	VOC		0.0244
		H ₂ S		0.0002
T200-1	Black Oil Tank Sparging	VOC	0.1732	0.0063
		H ₂ S	0.0002	0.0001

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

T200-2	Black Oil Tank Sparging	VOC	0.1732	0.0063
		H ₂ S	0.0002	0.0001
T200-3	Black Oil Tank Sparging	VOC	0.1732	0.0063
		H ₂ S	0.0002	0.0001
T200-4	Black Oil Tank Sparging	VOC	0.1732	0.0063
		H ₂ S	0.0002	0.0001
T200-5	Black Oil Tank Sparging	VOC	0.1732	0.0063
		H ₂ S	0.0002	0.0001
T200-6	Black Oil Tank Sparging	VOC	0.1732	0.0063
		H ₂ S	0.0002	0.0001
T200-7	Black Oil Tank Sparging	VOC	0.1732	0.0063
		H ₂ S	0.0002	0.0001
T200-8	Black Oil Tank Sparging	VOC	0.1732	0.0063
		H ₂ S	0.0002	0.0001
T200-1 through T200-8	Black Oil Tank Sparging Tanks 200-1 through 200-8 Combined Annual Cap (6)	VOC		0.0510
		H ₂ S		0.0001
T200-9	Black Oil Tank Sparging	VOC	0.1700	0.0061
		H ₂ S	0.0003	0.0001
T200-10	Black Oil Tank Sparging	VOC	0.1700	0.0061
		H ₂ S	0.0003	0.0001
T200-11	Black Oil Tank Sparging	VOC	0.1700	0.0061
		H ₂ S	0.0003	0.0001
T200-12	Black Oil Tank Sparging	VOC	0.1700	0.0061
		H ₂ S	0.0003	0.0001

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

T200-9 through T200-12	Black Oil Tank Sparging Tanks 200-9 through 200-12 Combined Annual Cap (6)	VOC		0.0244
		H ₂ S		0.0001
T320-1	Black Oil Tank Sparging	VOC	0.1700	0.0040
		H ₂ S	0.0003	0.0001
T320-2	Black Oil Tank Sparging	VOC	0.1700	0.0040
		H ₂ S	0.0003	0.0001
T320-3	Black Oil Tank Sparging	VOC	0.1700	0.0040
		H ₂ S	0.0003	0.0001
T320-1 through T320-3	Black Oil Tank Sparging Tanks 320-1 through 320-3 Combined Annual Cap (6)	VOC		0.0183
		H ₂ S		0.0001

- (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
 H₂S - hydrogen sulfide
 NO_x - total oxides of nitrogen
 CO - carbon monoxide
 SO₂ - sulfur dioxide
 PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
 PM₁₀ - 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) Sparging emissions are limited to heavy black oil storage operations.

Date: February 6, 2013