

Emission Sources - Maximum Allowable Emission Rates
Permit Numbers 5783 and N57M2

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-101	Boiler	NO _x	0.71	3.12
		CO	0.01	0.01
		SO ₂	0.01	0.06
		PM	0.19	0.82
		PM ₁₀	0.19	0.82
		PM _{2.5}	0.19	0.82
		VOC	0.13	0.59
B-102	Boiler	NO _x	0.78	3.39
		CO	0.01	0.01
		SO ₂	0.01	0.06
		PM	0.19	0.82
		PM ₁₀	0.19	0.82
		PM _{2.5}	0.19	0.82
		VOC	0.13	0.59
B-103	Boiler	NO _x	0.53	2.30
		CO	0.31	1.36
		SO ₂	0.01	0.06
		PM	0.19	0.82
		PM ₁₀	0.19	0.82
		PM _{2.5}	0.19	0.82
		VOC	0.13	0.59
B-104	Boiler	NO _x	0.55	2.41
		CO	0.50	2.19

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		SO ₂	0.01	0.06
		PM	0.19	0.82
		PM ₁₀	0.19	0.82
		PM _{2.5}	0.19	0.82
		VOC	0.13	0.59
B-201	Boiler	NO _x	0.27	---
		CO	0.07	---
		SO ₂	0.01	---
		PM	0.09	---
		PM ₁₀	0.09	---
		PM _{2.5}	0.09	---
		VOC	0.07	---
B-202	Boiler	NO _x	0.23	---
		CO	0.24	---
		SO ₂	0.01	---
		PM	0.09	---
		PM ₁₀	0.09	---
		PM _{2.5}	0.09	---
		VOC	0.07	---
B-203	Boiler	NO _x	0.26	---
		CO	0.13	---
		SO ₂	0.01	---
		PM	0.09	---
		PM ₁₀	0.09	---
		PM _{2.5}	0.09	---
		VOC	0.07	---
B-204	Boiler	NO _x	0.20	---

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		CO	0.06	---
		SO ₂	0.01	---
		PM	0.09	---
		PM ₁₀	0.09	---
		PM _{2.5}	0.09	---
		VOC	0.07	---
B-201/2/3/4	Boilers 201, 202, 203, and 204 Annual Cap	NO _x	---	3.39
		CO	---	1.78
		SO ₂	---	0.10
		PM	---	1.29
		PM ₁₀	---	1.29
		PM _{2.5}	---	1.29
		VOC	---	0.94
B-105	Boiler	NO _x	0.26	1.14
		CO	0.08	0.35
		SO ₂	0.01	0.03
		PM	0.09	0.40
		PM ₁₀	0.09	0.40
		PM _{2.5}	0.09	0.40
		VOC	0.07	0.29
B-106	Boiler	NO _x	0.26	1.14
		CO	0.07	0.31
		SO ₂	0.01	0.03
		PM	0.09	0.40
		PM ₁₀	0.09	0.40
		PM _{2.5}	0.09	0.40
		VOC	0.07	0.29

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B-107	Boiler	NO _x	0.24	1.03
		CO	0.05	0.23
		SO ₂	0.01	0.03
		PM	0.09	0.40
		PM ₁₀	0.09	0.40
		PM _{2.5}	0.09	0.40
		VOC	0.07	0.29
B-108	Boiler	NO _x	0.24	1.03
		CO	0.07	0.30
		SO ₂	0.01	0.03
		PM	0.09	0.40
		PM ₁₀	0.09	0.40
		PM _{2.5}	0.09	0.40
		VOC	0.07	0.29
T20-1	Fixed Roof (FR) Tank	VOC	11.71	---
T20-2	FR Tank	VOC	11.71	---
T20-3	FR Tank	VOC	11.71	---
T20-4	FR Tank	VOC	11.71	---
T30-1	FR Tank	VOC	11.71	---
T30-2	FR Tank	VOC	11.71	---
T80-1	FR Tank	VOC	35.14	---
T80-2	FR Tank	VOC	35.14	---
T80-3	FR Tank	VOC	35.14	---
T80-4	FR Tank	VOC	35.14	---
T80-5	FR Tank	VOC	35.14	---
T80-6	FR Tank	VOC	35.14	---
T80-7	FR Tank	VOC	35.14	---

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T80-8	FR Tank	VOC	35.14	---
T80-9	FR Tank	VOC	35.14	---
T80-10	FR Tank	VOC	35.14	---
T80-11	FR Tank	VOC	35.14	---
T80-12	FR Tank	VOC	35.14	---
T80-13	FR Tank	VOC	35.14	---
T80-14	FR Tank	VOC	35.14	---
T80-15	FR Tank	VOC	35.14	---
T80-16	FR Tank	VOC	35.14	---
T80-17	FR Tank	VOC	35.14	---
T80-18	FR Tank	VOC	35.14	---
T80-19	FR Tank	VOC	35.14	---
T80-20	FR Tank	VOC	35.14	---
T80-21	FR Tank	VOC	35.14	---
T80-22	FR Tank	VOC	35.14	---
T80-23	FR Tank	VOC	35.14	---
T80-24	FR Tank	VOC	35.14	---
T80-25	FR Tank	VOC	35.14	---
T80-26	FR Tank	VOC	35.14	---
T80-27	FR Tank	VOC	35.14	---
T80-28	FR Tank	VOC	35.14	---
T80-29	FR Tank	VOC	35.14	---
T80-30	FR Tank	VOC	35.14	---
T80-31	FR Tank	VOC	35.14	---
T80-32	FR Tank	VOC	35.14	---
T80-33	FR Tank	VOC	35.14	---
T80-34	FR Tank	VOC	35.14	---

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T80-35	FR Tank	VOC	35.14	---
T80-36	FR Tank	VOC	35.14	---
T80-37	FR Tank	VOC	35.14	---
T80-38	FR Tank	VOC	35.14	---
T175-1	FR Tank	VOC	46.86	---
T175-2	FR Tank	VOC	46.86	---
T175-3	FR Tank	VOC	46.86	---
T175-4	FR Tank	VOC	46.86	---
T200-1	FR Tank	VOC	58.57	---
T200-2	FR Tank	VOC	58.57	---
T200-3	FR Tank	VOC	58.57	---
T200-4	FR Tank	VOC	58.57	---
T200-5	FR Tank	VOC	58.57	---
T200-6	FR Tank	VOC	58.57	---
T200-7	FR Tank	VOC	58.57	---
T200-8	FR Tank	VOC	58.57	---
T200-9	FR Tank	VOC	58.57	---
T250-5	FR Tank	VOC	58.57	---
T250-6	FR Tank	VOC	58.57	---
T250-7	FR Tank	VOC	58.57	---
T250-8	FR Tank	VOC	58.57	---
TTTC-1	T/T Load	VOC	3.07	---
TTTC-2	T/T Load	VOC	4.80	---
SOURCE GROUP TOTAL (VOC) (6)				57.20
T30-3	FR Tank	VOC	23.43	---
T30-4	FR Tank	VOC	23.43	---
T30-5	FR Tank	VOC	23.43	---

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T30-6	FR Tank	VOC	23.43	---
T250-1	Internal Floating Roof (IFR) Tank	VOC	11.52	---
T250-2	IFR Tank	VOC	11.88	---
T250-3	IFR Tank	VOC	11.43	---
T250-4	IFR Tank	VOC	11.43	---
T250-9	IFR Tank	VOC	10.27	---
T250-10	IFR Tank	VOC	10.27	---
T250-11	IFR Tank	VOC	10.27	---
T250-12	IFR Tank	VOC	10.27	---
T250-13	IFR Tank	VOC	10.27	---
T250-14	IFR Tank	VOC	10.27	---
T266-1	IFR Tank	VOC	11.24	---
T266-2	IFR Tank	VOC	11.24	---
T325-1	FR Tank	VOC	46.86	---
T325-2	IFR Tank	VOC	11.84	---
T400-1	IFR Tank	VOC	11.13	---
T400-2	IFR Tank	VOC	11.13	---
T400-3	IFR Tank	VOC	11.13	---
T400-4	IFR Tank	VOC	11.13	---
T400-5	IFR Tank	VOC	11.13	---
T400-6	IFR Tank	VOC	9.39	---
T400-7	IFR Tank	VOC	11.13	---
T400-9	IFR Tank	VOC	11.13	---
T400-10	IFR Tank	VOC	11.13	---
T400-11	IFR Tank	VOC	8.29	---
T400-12	IFR Tank	VOC	8.29	---
T400-13	IFR Tank	VOC	8.29	---

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SOURCE GROUP TOTAL (VOC) (7)				145.55
T3-1	FR Tank	VOC	0.11	0.02
T10-1	FR Tank	VOC	1.15	0.02
T11-1	FR Tank	VOC	0.01	0.01
T13-1	FR Tank	VOC	1.15	0.02
T13-2	FR Tank	VOC	1.15	0.02
T30-11	FR Tank	VOC	7.73	0.77
T30-12	FR Tank	VOC	7.73	0.77
T30-13	FR Tank	VOC	7.73	0.77
T30-14	FR Tank	VOC	12.45	0.67
T30-15	FR Tank	VOC	12.45	0.67
T30-16	FR Tank	VOC	12.45	0.67
T30-17	FR Tank	VOC	12.45	0.67
T30-18	FR Tank	VOC	12.45	0.67
T30-19	FR Tank	VOC	12.45	0.67
T37-1	FR Tank	VOC	0.85	0.05
T37-2	FR Tank	VOC	0.85	0.05
T38-1	FR Tank	VOC	5.70	0.24
T90-1	FR Tank	VOC	0.74	0.16
T90-2	FR Tank	VOC	0.74	0.16
T95-1	FR Tank	VOC	12.45	2.14
T95-2	FR Tank	VOC	12.45	2.14
T100-1	FR Tank	VOC	12.45	0.85
T100-2	FR Tank	VOC	12.45	0.85
T100-3	FR Tank	VOC	12.45	2.24
T100-4	FR Tank	VOC	12.45	2.24
T100-5	FR Tank	VOC	0.09	0.17

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T100-6	FR Tank	VOC	0.09	0.17
T100-7	FR Tank	VOC	0.09	0.17
T100-8	FR Tank	VOC	0.09	0.17
T100-9	FR Tank	VOC	0.09	0.17
T100-10	FR Tank	VOC	0.09	0.17
T100-11	FR Tank (8)	VOC	0.09	0.17
T100-12	FR Tank (8)	VOC	0.09	0.17
T100-13	FR Tank	VOC	0.09	0.10
T100-14	FR Tank	VOC	0.09	0.10
T100-15	FR Tank	VOC	0.09	0.10
T100-16	FR Tank	VOC	0.09	0.10
T100-17	FR Tank	VOC	0.09	0.10
T100-18	FR Tank	VOC	0.09	0.10
T100-19	FR Tank	VOC	0.09	0.10
T100-20	FR Tank	VOC	0.09	0.10
T100-21	FR Tank	VOC	3.11	2.09
T100-22	FR Tank	VOC	3.11	2.09
T100-23	FR Tank	VOC	3.11	2.09
T100-24	FR Tank	VOC	3.11	2.09
T100-25	FR Tank	VOC	0.74	0.10
T220-1	FR Tank	VOC	1.83	0.40
W30-1	FR Tank	VOC	12.45	0.25
W30-2	FR Tank	VOC	12.45	0.25
SHIPLD-1	Ship Dock 1	VOC	13.97	---
SHIPLD-2	Ship Dock 2	VOC	13.97	---
SHIPLD-3	Ship Dock 3	VOC	13.97	---
SHIPLD-1/2/3	Combined Ship Dock 1,2, and 3 Cap	VOC	----	5.49

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SHIPLD-1C	Ship Dock 1 Crude Oil	VOC	15.56	---
SHIPLD-2C	Ship Dock 2 Crude Oil	VOC	15.56	---
SHIPLD-3C	Ship Dock 3 Crude Oil	VOC	15.56	---
SHIPLD-1/2/3C	Combined Ship Dock 1,2, and 3 Crude Oil Loading Cap	VOC	31.12	20.99
SHIPLD-4	Ship Dock 4	VOC	0.98	1.05
BRGDK-2	Barge Dock 2	VOC	0.53	1.32
BRGDK-3	Barge Dock 3	VOC	0.53	2.63
BRGDK-4	Barge Dock 4	VOC	0.53	0.66
BRGDK-5	Barge Dock 5	VOC	0.53	2.63
BRGDK-6	Barge Dock 6	VOC	5.81	2.25
BRGDK-7	Barge Dock 7	VOC	1.76	0.75
TTRC-3	T/T R/C Load	VOC	6.97	1.05
FU-4	Fugitive Area	VOC (5)	0.49	2.14
FU-5	Crude Oil Fugitive Area	VOC (5)	0.04	0.16
TANKMSS-C	Controlled Tank MSS	VOC	26.47	0.40
VCU-1	VCU-1	VOC	1.55	---
		NO _x	4.92	---
		CO	4.92	---
		SO ₂	0.26	---
		PM	3.20	---
		PM ₁₀	3.20	---
		PM _{2.5}	3.20	---
VCU-2	VCU-2	VOC	1.55	---
		NO _x	4.92	---
		CO	4.92	---
		SO ₂	0.26	---
		PM	3.20	---

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		PM ₁₀	3.20	---
		PM _{2.5}	3.20	---
VCU-3	VCU-3	VOC	1.55	---
		NO _x	4.92	---
		CO	4.92	---
		SO ₂	0.26	---
		PM	3.20	---
		PM ₁₀	3.20	---
		PM _{2.5}	3.20	---
VCU-4	VCU-4	VOC	1.55	---
		NO _x	4.92	---
		CO	4.92	---
		SO ₂	0.26	---
		PM	3.20	---
		PM ₁₀	3.20	---
		PM _{2.5}	3.20	---
VCU - 1/2/3/4	Combined VCU 1, 2, 3, 4 Cap	VOC	6.19	4.18
		NO _x	19.66	11.42
		CO	19.66	14.27
		SO ₂	1.02	0.32
		PM	12.78	9.68
		PM ₁₀	12.78	9.68
		PM _{2.5}	12.78	9.68

(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

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

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CO - carbon monoxide

- (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 following EPNs are included in the annual cap of 57.20 tpy: T20-1 through T20-4, T30-1, T30-2, T80-1 through T80-38, T175-1 through T175-4, T200-1 through T200-9, T250-5 through T250-8, TTRC-1, and TTRC-2.
- (7) The following EPNs are included in the annual cap of 145.55 tpy: T30-3 through T30-6, T250-1 through T250-4, T250-9 through T250-14, T266-1, T266-2, T325-1, T325-2, T400-1 through T400-7, T400-9, and T400-11 through T400-13.
- (8) The emission rates shown here for these EPNs (T100-11 and T100-12) are superseded by rates authorized in Permit By Rule 30 TAC §106.472, claimed by the applicant in December 2013.

Date: April 26, 2017