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

Emission Sources - Maximum Allowable Emission Rates

B-104	Boiler	NO_x	0.55	2.41
		CO	0.50	2.19
		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-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

Emission Sources - Maximum Allowable Emission Rates

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
B-201	Boiler	NO_x	0.27	1.19
		CO	0.07	0.33
		SO_2	0.01	0.03
		PM	0.09	0.4
		PM_{10}	0.09	0.4
		$PM_{2.5}$	0.09	0.4
		VOC	0.07	0.29

Emission Sources - Maximum Allowable Emission Rates

B-202	Boiler	NO_x	0.23	1.02
		CO	0.24	1.03
		SO_2	0.01	0.03
		PM	0.09	0.4
		PM_{10}	0.09	0.4
		$PM_{2.5}$	0.09	0.4
		VOC	0.07	0.29
B-203	Boiler	NO_x	0.26	1.15
		CO	0.14	0.6
		SO_2	0.01	0.03
		PM	0.09	0.4
		PM_{10}	0.09	0.4
		$PM_{2.5}$	0.09	0.4
		VOC	0.07	0.29
B-204	Boiler	NO_x	0.20	0.89
		CO	0.06	0.27
		SO_2	0.01	0.03
		PM	0.09	0.4
		PM_{10}	0.09	0.4
		$PM_{2.5}$	0.09	0.4
		VOC	0.07	0.29

Emission Sources - Maximum Allowable Emission Rates

B-205	Boiler	NO_x	0.28	1.21
		CO	0.12	0.54
		SO_2	0.01	0.03
		PM	0.09	0.4
		PM_{10}	0.09	0.4
		$PM_{2.5}$	0.09	0.4
		VOC	0.07	0.29
B-206	Boiler	NO_x	0.16	0.71
		CO	0.07	0.33
		SO_2	0.01	0.03
		PM	0.09	0.4
		PM_{10}	0.09	0.4
		$PM_{2.5}$	0.09	0.4
		VOC	0.07	0.29
B-207	Boiler	NO_x	0.09	0.38
		CO	0.09	0.38
		SO_2	0.01	0.03
		PM	0.09	0.4
		PM_{10}	0.09	0.4
		$PM_{2.5}$	0.09	0.4
		VOC	0.07	0.29

Emission Sources - Maximum Allowable Emission Rates

B-208	Boiler	NO_x	0.19	0.83
		CO	0.09	0.38
		SO_2	0.01	0.03
		PM	0.09	0.4
		PM_{10}	0.09	0.4
		$PM_{2.5}$	0.09	0.4
		VOC	0.07	0.29
B-209	Boiler	NO_x	0.45	1.96
		CO	0.92	4.02
		SO_2	0.01	0.03
		PM	0.09	0.4
		PM_{10}	0.09	0.4
		$PM_{2.5}$	0.09	0.4
		VOC	0.07	0.29
B-210	Boiler	NO_x	0.45	1.96
		CO	0.92	4.02
		SO_2	0.01	0.03
		PM	0.09	0.4
		PM_{10}	0.09	0.4
		$PM_{2.5}$	0.09	0.4
		VOC	0.07	0.29

Emission Sources - Maximum Allowable Emission Rates

H-101	Hot Oil Heater	NO_x	0.11	0.49
		CO	0.01	0.01
		SO_2	0.01	0.03
		PM	0.07	0.33
		PM_{10}	0.07	0.33
		$PM_{2.5}$	0.07	0.33
		VOC	0.05	0.24
H-102	Hot Oil Heater	NO_x	0.12	0.53
		CO	0.01	0.01
		SO_2	0.01	0.03
		PM	0.07	0.33
		PM_{10}	0.07	0.33
		$PM_{2.5}$	0.07	0.33
		VOC	0.05	0.24
T10-1	Fixed Roof (FR) Tank	VOC	56.49	---
T13-1	FR Tank	VOC	56.49	---
T13-2	FR Tank	VOC	56.49	---
T20-1	FR Tank	VOC	56.49	---
T20-2	FR Tank	VOC	56.49	---
T20-3	FR Tank	VOC	56.49	---
T20-4	FR Tank	VOC	56.49	---
T30-1	FR Tank	VOC	169.46	---
T30-2	FR Tank	VOC	169.46	---
T30-3	FR Tank	VOC	169.46	---
T30-4	FR Tank	VOC	169.46	---
T30-5	FR Tank	VOC	29.86	---
T30-6	FR Tank	VOC	29.86	---

Emission Sources - Maximum Allowable Emission Rates

T30-11	FR Tank	VOC	169.46	---
T30-12	FR Tank	VOC	169.46	---
T30-13	FR Tank	VOC	20.91	---
T30-14	FR Tank	VOC	20.91	---
T30-15	FR Tank	VOC	169.46	---
T30-16	FR Tank	VOC	20.91	---
T30-17	FR Tank	VOC	20.91	---
T30-18	FR Tank	VOC	169.46	---
T30-19	FR Tank	VOC	169.46	---
T37-1	FR Tank	VOC	169.46	---
T37-2	FR Tank	VOC	169.46	---
T38-1	FR Tank	VOC	169.46	---
T80-1	FR Tank	VOC	44.80	---
T80-2	FR Tank	VOC	44.80	---
T80-3	FR Tank	VOC	44.80	---
T80-4	FR Tank	VOC	44.80	---
T80-5	FR Tank	VOC	44.80	---
T80-6	FR Tank	VOC	44.80	---
T80-7	FR Tank	VOC	44.80	---
T80-8	FR Tank	VOC	44.80	---
T80-9	FR Tank	VOC	44.80	---
T80-10	FR Tank	VOC	44.80	---
T80-11	FR Tank	VOC	44.80	---
T80-12	FR Tank	VOC	44.80	---
T80-13	FR Tank	VOC	44.80	---
T80-14	FR Tank	VOC	44.80	---
T80-15	FR Tank	VOC	44.80	---

Emission Sources - Maximum Allowable Emission Rates

T80-16	FR Tank	VOC	44.80	---
T80-17	FR Tank	VOC	44.80	---
T80-18	FR Tank	VOC	44.80	---
T80-19	FR Tank	VOC	44.80	---
T80-20	FR Tank	VOC	169.46	---
T80-21	FR Tank	VOC	169.46	---
T80-22	FR Tank	VOC	169.46	---
T80-23	FR Tank	VOC	44.80	---
T80-24	FR Tank	VOC	44.80	---
T80-25	FR Tank	VOC	44.80	---
T80-26	FR Tank	VOC	44.80	---
T80-27	FR Tank	VOC	44.80	---
T80-28	FR Tank	VOC	44.80	---
T80-29	FR Tank	VOC	44.80	---
T80-30	FR Tank	VOC	44.80	---
T80-31	FR Tank	VOC	44.80	---
T80-32	FR Tank	VOC	44.80	---
T80-33	FR Tank	VOC	44.80	---
T80-34	FR Tank	VOC	44.80	---
T80-35	FR Tank	VOC	169.46	---
T80-36	FR Tank	VOC	44.80	---
T80-37	FR Tank	VOC	44.80	---
T80-38	FR Tank	VOC	44.80	---
T90-1	FR Tank	VOC	59.73	---
T90-2	FR Tank	VOC	59.73	---
T95-1	FR Tank	VOC	59.73	---
T95-2	FR Tank	VOC	59.73	---

Emission Sources - Maximum Allowable Emission Rates

T100-1	FR Tank	VOC	59.73	---
T100-2	FR Tank	VOC	59.73	---
T100-3	FR Tank	VOC	59.73	---
T100-4	FR Tank	VOC	59.73	---
T100-5	FR Tank	VOC	59.73	---
T100-6	FR Tank	VOC	59.73	---
T100-7	FR Tank	VOC	59.73	---
T100-8	FR Tank	VOC	59.73	---
T100-9	FR Tank	VOC	59.73	---
T100-10	FR Tank	VOC	59.73	---
T100-11	FR Tank	VOC	59.73	---
T100-12	FR Tank	VOC	59.73	---
T100-13	FR Tank	VOC	59.73	---
T100-14	FR Tank	VOC	59.73	---
T100-15	FR Tank	VOC	59.73	---
T100-16	FR Tank	VOC	59.73	---
T100-17	FR Tank	VOC	59.73	---
T100-18	FR Tank	VOC	59.73	---
T100-19	FR Tank	VOC	59.73	---
T100-20	FR Tank	VOC	59.73	---
T100-21	FR Tank	VOC	59.73	---
T100-22	FR Tank	VOC	59.73	---
T100-23	FR Tank	VOC	59.73	---
T100-24	FR Tank	VOC	59.73	---
T100-25	FR Tank	VOC	59.73	---
T175-1	FR Tank	VOC	59.73	---
T175-2	FR Tank	VOC	59.73	---

Emission Sources - Maximum Allowable Emission Rates

T175-3	FR Tank	VOC	59.73	---
T175-4	FR Tank	VOC	59.73	---
T200-1	FR Tank	VOC	74.66	---
T200-2	FR Tank	VOC	74.66	---
T200-3	FR Tank	VOC	74.66	---
T200-4	FR Tank	VOC	74.66	---
T200-5	FR Tank	VOC	74.66	---
T200-6	FR Tank	VOC	74.66	---
T200-7	FR Tank	VOC	74.66	---
T200-8	FR Tank	VOC	74.66	---
T200-9	FR Tank	VOC	74.66	---
T220-1	FR Tank	VOC	59.73	---
T250-5	FR Tank	VOC	89.59	---
T250-6	FR Tank	VOC	89.59	---
T250-7	FR Tank	VOC	89.59	---
T250-8	FR Tank	VOC	89.59	---
T325-1	FR Tank	VOC	89.59	---
T325-2	FR Tank	VOC	89.59	---
FXRTKCAP	Fixed Roof Tank Cap	VOC	---	105.00
T250-1	Internal Floating Roof (IFR) Tank	VOC	11.52	---
		H_2S	0.03	---
T250-2	IFR Tank	VOC	11.88	---
		H_2S	0.03	---
T250-3	IFR Tank	VOC	11.43	---
		H_2S	0.03	---
T250-4	IFR Tank	VOC	11.43	---
		H_2S	0.03	---

Emission Sources - Maximum Allowable Emission Rates

T250-9	IFR Tank	VOC	10.27	---
		H_2S	0.02	---
T266-1	IFR Tank	VOC	11.24	---
		H_2S	0.03	---
T266-2	IFR Tank	VOC	11.24	---
		H_2S	0.03	---
T325-1	IFR Tank	VOC	11.84	---
		H_2S	0.10	---
T400-1	IFR Tank	VOC	11.13	---
		H_2S	0.10	---
T400-2	IFR Tank	VOC	11.13	---
		H_2S	0.10	---
T400-3	IFR Tank	VOC	11.13	---
		H_2S	0.10	---
T400-4	IFR Tank	VOC	11.13	---
		H_2S	0.10	---
T400-5	IFR Tank	VOC	11.13	---
		H_2S	0.10	---
T400-6	IFR Tank	VOC	9.39	---
		H_2S	0.03	---
T400-7	IFR Tank	VOC	11.13	---
		H_2S	0.10	---
T400-9	IFR Tank	VOC	11.13	---
		H_2S	0.10	---
T400-10	IFR Tank	VOC	11.13	---
		H_2S	0.10	---
T400-11	IFR Tank	VOC	8.29	---

Emission Sources - Maximum Allowable Emission Rates

		H_2S	0.02	---
T400-12	IFR Tank	VOC	8.29	---
		H_2S	0.02	---
T400-13	IFR Tank	VOC	8.29	---
		H_2S	0.02	---
T-A24-1	Area 24 Tank 1	VOC	10.47	---
		H_2S	0.03	---
T-A26-1	Area 26 Tank 1	VOC	10.47	---
		H_2S	0.03	---
T-A26-2	Area 26 Tank 2	VOC	10.47	---
		H_2S	0.03	---
T-A26-3	Area 26 Tank 3	VOC	10.47	---
		H_2S	0.03	---
T-A26-4	Area 26 Tank 4	VOC	10.47	---
		H_2S	0.03	---
IFRTKCAP	IFR Tank Cap	VOC	---	113.04
		H_2S	---	5.15
SHIPLD-1	Ship Dock No. 1 – Fuel Oil Loading	VOC	22.39	---
SHIPLD-2	Ship Dock No. 2 – Fuel Oil Loading	VOC	22.39	---
SHIPLD-3	Ship Dock No. 3 – Fuel Oil Loading	VOC	22.39	---
SHIPLD-4	Ship Dock No. 4 – Fuel Oil Loading	VOC	22.39	---
SHIPLD-5	Ship Dock No. 5 – Fuel Oil Loading	VOC	22.39	---
BRGDK-2	Barge Dock No. 2	VOC	141.16	---
BRGDK-3	Barge Dock No. 3	VOC	22.39	---
BRGDK-4	Barge Dock No. 4	VOC	22.39	---
BRGDK-5	Barge Dock No. 5	VOC	141.16	---
BRGDK-6	Barge Dock No. 6	VOC	22.39	---

Emission Sources - Maximum Allowable Emission Rates

BRGDK-7	Barge Dock No. 7	VOC	22.39	---
MARLDFOCAP	Marine Loading Fuel Oil Cap	VOC	---	72.00
BRGDK-8	Barge Dock No. 8	VOC	22.06	3.44
VCU-BRG8	Barge Dock 8 VCU	VOC	3.63	3.95
		NO_x	9.82	12.49
		CO	9.82	12.49
		SO_2	35.33	5.27
		PM	0.73	0.93
		PM_{10}	0.73	0.93
		$PM_{2.5}$	0.73	0.93
		H_2S	0.02	0.01
SHIPLD-1C	Ship Dock No. 1C – Crude Oil Loading	VOC	3.63	---
		H_2S	0.02	---
SHIPLD-2C	Ship Dock No. 2C – Crude Oil Loading	VOC	3.63	---
		H_2S	0.02	---
SHIPLD-3C	Ship Dock No. 3C – Crude Oil Loading	VOC	3.63	---
		H_2S	0.02	---
SHIPLD-4C	Ship Dock No. 4C – Crude Oil Loading	VOC	3.63	---
		H_2S	0.02	---
SHIPLD-5C	Ship Dock No. 5C – Crude Oil Loading	VOC	3.63	---
		H_2S	0.02	---
SHLDCRDCAP	Ship Dock Crude Oil Loading Cap	VOC	---	19.99
		H_2S	---	0.02
TTRC-1	Tank Truck/Railcar 1	VOC	1.79	---
TTRC-2	Tank Truck/Railcar 2	VOC	1.79	---
TTRC-3	Tank Truck/Railcar 3	VOC	1.79	---
TTRCCAP	Tank Truck/Railcar Cap	VOC	---	14.12

Emission Sources - Maximum Allowable Emission Rates

FU-4	Fugitive Unit - 28VHP	VOC (5)	2.98	13.00
		H_2S	0.01	0.01
FU-5	Fugitive Unit - 28LAER	VOC (5)	0.04	0.16
		H_2S	0.01	0.01
TKMSS	Uncontrolled Tank MSS	VOC	309.13	27.05
		H_2S	4.03	0.35
MSS-TO	Portable Thermal Oxidizer / Vapor Combustor	VOC	27.22	1.13
		NOx	3.00	0.72
		CO	1.90	0.46
		SO2	8.31	1.99
		PM	0.22	0.05
		PM10	0.22	0.05
		PM2.5	0.22	0.05
		H_2S	0.04	0.01
VCU-1	VCU-1	VOC	1.94	---
		NO_x	6.24	---
		CO	6.24	---
		SO_2	18.93	---
		PM	3.14	---
		PM_{10}	3.14	---
		$PM_{2.5}$	3.14	---
		H_2S	0.01	---

Emission Sources - Maximum Allowable Emission Rates

VCU-2	VCU-2	VOC	1.94	---
		NO_x	6.24	---
		CO	6.24	---
		SO_2	18.93	---
		PM	3.14	---
		PM_{10}	3.14	---
		$PM_{2.5}$	3.14	---
		H_2S	0.01	---
VCU-3	VCU-3	VOC	1.94	---
		NO_x	6.24	---
		CO	6.24	---
		SO_2	18.93	---
		PM	0.47	---
		PM_{10}	0.47	---
		$PM_{2.5}$	0.47	---
		H_2S	0.01	---
VCU-4	VCU-4	VOC	1.94	---
		NO_x	6.24	---
		CO	6.24	---
		SO_2	18.93	---
		PM	0.47	---
		PM_{10}	0.47	---
		$PM_{2.5}$	0.47	---
		H_2S	0.01	---

Emission Sources - Maximum Allowable Emission Rates

VCU-5	VCU-5	VOC	1.94	---
		NO_x	6.24	---
		CO	6.24	---
		SO_2	18.93	---
		PM	0.47	---
		PM_{10}	0.47	---
		$PM_{2.5}$	0.47	---
		H_2S	0.01	---
VCU-6	VCU-6	VOC	1.94	---
		NO_x	6.24	---
		CO	6.24	---
		SO_2	18.93	---
		PM	0.47	---
		PM_{10}	0.47	---
		$PM_{2.5}$	0.47	---
		H_2S	0.01	---
VCU-7	VCU-7	VOC	1.94	---
		NO_x	6.24	---
		CO	6.24	---
		SO_2	18.93	---
		PM	0.47	---
		PM_{10}	0.47	---
		$PM_{2.5}$	0.47	---
		H_2S	0.01	---

Emission Sources - Maximum Allowable Emission Rates

VCU-8	VCU-8	VOC	1.94	---
		NO_x	6.24	---
		CO	6.24	---
		SO_2	18.93	---
		PM	0.47	---
		PM_{10}	0.47	---
		$PM_{2.5}$	0.47	---
		H_2S	0.01	---
VCU Cap	VCU Cap	VOC	---	19.97
		NO_x	---	74.75
		CO	---	74.75
		SO_2	---	32.66
		PM	---	13.57
		PM_{10}	---	13.57
		$PM_{2.5}$	---	13.57
		H_2S	---	0.02

(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
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
CO - carbon monoxide
H_2S - hydrogen sulfide
(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.

Date: November 28, 2023

Emission Sources - Maximum Allowable Emission Rates