Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 5783 and N57

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
		PM10	0.19	0.82
		PM2.5	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
		PM10	0.19	0.82
		PM2.5	0.19	0.82
		VOC	0.13	0.59
B-103	Boiler	NO_x	0.53	2.30
		CO	0.31	1.36
		SO2	0.01	0.06
		PM	0.19	0.82
		PM10	0.19	0.82
		PM2.5	0.19	0.82

Emission Sources - Maximum Allowable Emission Rates

		VOC	0.13	0.59
B-104	Boiler	NO_x	0.55	2.41
		CO	0.50	2.19
		SO2	0.01	0.06
		PM	0.19	0.82
		PM10	0.19	0.82
		PM2.5	0.19	0.82
		VOC	0.13	0.59
B-201	Boiler	NO_x	0.27	1.19
		CO	0.07	0.31
		SO2	0.01	0.03
		PM	0.09	0.40
		PM10	0.09	0.40
		PM2.5	0.09	0.40
		VOC	0.07	0.29
B-202	Boiler	NOx	0.23	1.02
		CO	0.24	1.05
		SO2	0.01	0.03
		PM	0.09	0.40
		PM10	0.09	0.40
		PM2.5	0.09	0.40
		VOC	0.07	0.29
B-203	Boiler	NOx	0.26	1.15
		CO	0.13	0.58
		SO2	0.01	0.03

Emission Sources - Maximum Allowable Emission Rates

		PM	0.09	0.40
		PM10	0.09	0.40
		PM2.5	0.09	0.40
		VOC	0.07	0.29
B-204	Boiler	NOx	0.20	0.89
		CO	0.06	0.28
		SO2	0.01	0.03
		PM	0.09	0.40
		PM10	0.09	0.40
		PM2.5	0.09	0.40
		VOC	0.07	0.29
B-105	Boiler	NOx	0.26	1.14
		CO	0.08	0.35
		SO2	0.01	0.03
		PM	0.09	0.40
		PM10	0.09	0.40
		PM2.5	0.09	0.40
		VOC	0.07	0.29
B-106	Boiler	NOx	0.26	1.14
		CO	0.07	0.31
		SO2	0.01	0.03
		PM	0.09	0.40
		PM10	0.09	0.40
		PM2.5	0.09	0.40
		VOC	0.07	0.29

Emission Sources - Maximum Allowable Emission Rates

B-107	Boiler	NOx	0.24	1.03
		CO	0.05	0.23
		SO2	0.01	0.03
		PM	0.09	0.40
		PM10	0.09	0.40
		PM2.5	0.09	0.40
		VOC	0.07	0.29
B-108	Boiler	NOx	0.24	1.03
		CO	0.07	0.30
		SO2	0.01	0.03
		PM	0.09	0.40
		PM10	0.09	0.40
		PM2.5	0.09	0.40
		VOC	0.07	0.29
T20-1	FR Tank	VOC	0.61	0.11
T20-2	FR Tank	VOC	0.61	0.11
T20-3	FR Tank	VOC	0.61	0.11
T20-4	FR Tank	VOC	0.61	0.11
T30-1	FR Tank	VOC	0.61	0.17
T30-2	FR Tank	VOC	0.61	0.17
T80-1	FR Tank	VOC	1.83	0.51
T80-2	FR Tank	VOC	1.83	0.51
T80-3	FR Tank	VOC	1.83	0.51
T80-4	FR Tank	VOC	1.83	0.51
T80-5	FR Tank	VOC	1.83	0.51

Emission Sources - Maximum Allowable Emission Rates

T80-6	FR Tank	VOC	1.83	0.51
T80-7	FR Tank	VOC	1.83	0.51
T80-8	FR Tank	VOC	1.83	0.51
T80-9	FR Tank	VOC	1.83	0.51
T80-10	FR Tank	VOC	1.83	0.51
T80-11	FR Tank	VOC	1.83	0.51
T80-12	FR Tank	VOC	1.83	0.51
T80-13	FR Tank	VOC	1.83	0.51
T80-14	FR Tank	VOC	1.83	0.51
T80-15	FR Tank	VOC	1.83	0.51
T80-16	FR Tank	VOC	1.83	0.51
T80-17	FR Tank	VOC	1.83	0.51
T80-18	FR Tank	VOC	1.83	0.51
T80-19	FR Tank	VOC	1.83	0.51
T80-20	FR Tank	VOC	1.83	0.51
T80-21	FR Tank	VOC	1.83	0.51
T80-22	FR Tank	VOC	1.83	0.51
T80-23	FR Tank	VOC	1.83	0.51
T80-24	FR Tank	VOC	1.83	0.51
T80-25	FR Tank	VOC	1.83	0.51
T80-26	FR Tank	VOC	1.83	0.51
T80-27	FR Tank	VOC	1.83	0.51
T80-28	FR Tank	VOC	1.83	0.51
T80-29	FR Tank	VOC	1.83	0.51
T80-30	FR Tank	VOC	1.83	0.51

Emission Sources - Maximum Allowable Emission Rates

T80-31	FR Tank	VOC	1.83	0.51
T80-32	FR Tank	VOC	1.83	0.51
T80-33	FR Tank	VOC	1.83	0.51
T80-34	FR Tank	VOC	1.83	0.51
T80-35	FR Tank	VOC	1.83	0.51
T80-36	FR Tank	VOC	1.83	0.51
T80-37	FR Tank	VOC	1.83	0.51
T80-38	FR Tank	VOC	1.83	0.51
T175-1	FR Tank	VOC	2.44	1.54
T175-2	FR Tank	VOC	2.44	1.54
T175-3	FR Tank	VOC	2.44	1.54
T175-4	FR Tank	VOC	2.44	1.54
T200-1	FR Tank	VOC	3.05	1.78
T200-2	FR Tank	VOC	3.05	1.78
T200-3	FR Tank	VOC	3.05	1.78
T200-4	FR Tank	VOC	3.05	1.78
T200-5	FR Tank	VOC	3.05	1.78
T200-6	FR Tank	VOC	3.05	1.78
T200-7	FR Tank	VOC	3.05	1.78
T200-8	FR Tank	VOC	3.05	1.78
T200-9	FR Tank	VOC	3.05	1.78
T250-1	FR Tank	VOC	3.05	2.20
T250-2	FR Tank	VOC	3.05	2.20
T250-3	FR Tank	VOC	3.05	2.20
T250-4	FR Tank	VOC	3.05	2.20

Emission Sources - Maximum Allowable Emission Rates

T250-5	FR Tank	VOC	3.05	2.20
T250-6	FR Tank	VOC	3.05	2.20
T250-7	FR Tank	VOC	3.05	2.20
T250-8	FR Tank	VOC	3.05	2.20
TTRC-1	T/T Load	VOC	3.07	3.73
TTRC-2	T/T Load	VOC	4.80	2.38
SOURCE GROUP TOTAL (VOC) (6)				**66.00**
T30-3	FR Tank	VOC	9.12	7.57
T30-4	FR Tank	VOC	9.12	7.57
T30-5	FR Tank	VOC	9.12	7.57
T30-6	FR Tank	VOC	9.12	7.57
T325-1	FR Tank	VOC	2.44	5.58
T325-2	IFR	VOC	12.37	20.61
T400-1	IFR	VOC	11.84	5.94
T400-2	IFR	VOC	11.84	5.94
T400-3	IFR	VOC	11.87	5.94
T400-4	IFR	VOC	11.87	5.94
T400-5	IFR	VOC	11.87	5.94
T400-6	IFR	VOC	11.87	5.94
T400-7	IFR	VOC	11.87	5.94
T400-8	IFR	VOC	11.87	5.94
T400-9	IFR	VOC	11.87	5.94
T400-10	IFR	VOC	11.87	5.94
T400-11	IFR	VOC	11.87	5.94
SOURCE GROUP TOTAL (VOC) (7)				**121.77**

Emission Sources - Maximum Allowable Emission Rates

T3-1	FR Tank	VOC	0.11	0.02
T11-1	FR Tank	VOC	0.01	0.01
T37-1	FR Tank	VOC	0.85	0.05
T37-2	FR Tank	VOC	0.85	0.05
T220-1	FR Tank	VOC	1.83	0.40
T266-1	FR Tank	VOC	1.83	0.49
T266-2	FR Tank	VOC	1.83	0.49
T10-1	FR Tank	VOC	1.15	0.02
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
T95-1	FR Tank	VOC	12.45	2.14
T95-2	FR Tank	VOC	12.45	2.14
T30-18	FR Tank	VOC	12.45	0.67
T30-19	FR Tank	VOC	12.45	0.67
T90-1	FR Tank	VOC	0.74	0.16
T90-2	FR Tank	VOC	0.74	0.16
T100-1	FR Tank	VOC	12.45	0.85
T100-2	FR Tank	VOC	12.45	0.85

Emission Sources - Maximum Allowable Emission Rates

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
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	VOC	0.09	0.17
T100-12	FR Tank	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
T38-1	FR Tank	VOC	5.70	0.24
W30-1	FR Tank	VOC	12.45	0.25
W30-2	FR Tank	VOC	12.45	0.25

Emission Sources - Maximum Allowable Emission Rates

SHIPLD-1	Ship Dock 1	VOC	0.64	1.05
SHIPLD-2	Ship Dock 2	VOC	18.40	8.89
SHIPLD-3	Ship Dock 3	VOC	0.64	1.05
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

(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
(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 66.0 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, T250-1 through T250-8, TTRC-1, and TTRC-2.
(7) The following EPNs are included in the annual cap of 121.77 tpy: T30-3 through T30-6, T325-1, T325-2, and T400-1 through T400-11.

Date: May 31, 2013