

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 7195A

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. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

AIR CONTAMINANTS DATA

Emission			Source Air Contaminant Emission Rates *	
Point No. (1)			Name (2)	
			Name (3)	
			lb/hr	
			TPY**	
1001	Tank	VOC	3.17	10.28
1002	Tank	VOC	12	3
1003	Tank	VOC	2.29	7.12
1004	Tank	VOC	2.26	6.95
1005	Tank	VOC	1.78	0.27
5a	Flare	VOC	31	19
		Benzene	0.4	0.24
		NO _x	4.6	3.8
		CO	9.1	7.6
1006	Tank	VOC	1.78	0.27
1007	Tank	Lube Oil	12.1	0.4
1008	Tank	Lube Oil	12.1	0.4
1009	Tank	VOC	1.78	0.27

1010	Tank	Lube Oil	12.1	0.4
1011	Tank	Lube Oil	12.1	0.4
1012	Tank	VOC	2.71	4.00
1013	Tank	Lube Oil	12.1	0.5
1014	Tank	Lube Oil	12.1	0.8
1015	Tank	Lube Oil	12.1	0.5
1016a	Tank	Lube Oil	12	<0.1
1017	Tank	VOC	1.71	0.02
2100	Tank	VOC	2.09	0.10
2101	Tank	Lube Oil	12	<0.1
2103	Tank	VOC	1.73	0.07
2104	Tank	VOC	1.73	0.07
2105	Tank	VOC	1.73	0.07
2106	Tank	VOC	1.73	0.07
2107	Tank	VOC	1.73	0.07
2108	Tank	VOC	1.73	0.07
2117	Tank	Lube Oil	12.1	0.6
2118	Tank	VOC	1.79	0.29
2119	Tank	Veg Oil	<0.1	<0.1
2120	Tank	VOC	1.79	0.29
2121	Tank	VOC	1.79	0.07
2122	Tank	Veg Oil	<0.1	<0.1

2123	Tank	Veg Oil	<0.1	<0.1
2124	Tank	Lube Oil	12.2	0.8
2125	Tank	Veg Oil	<0.1	<0.1
2126	Tank	Veg Oil	<0.1	<0.1
2127	Tank	Veg Oil	<0.1	<0.1
2128	Tank	Veg Oil	<0.1	<0.1
2129	Tank	Veg Oil	<0.1	<0.1
2130	Tank	VOC	1.92	0.78
2131	Tank	VOC	0.1	0.5
2132	Tank	Veg Oil	<0.1	<0.1
2140	Tank	VOC	1.73	0.07
2141	Tank	VOC	1.78	0.25
2142	Tank	VOC	1.73	0.07
2143	Tank	VOC	1.78	0.25
2144	Tank	VOC	1.73	0.07
2145	Tank	VOC	1.78	0.26
2146	Tank	VOC	1.73	0.07
2148	Tank	VOC	1.73	0.07
2150	Tank	VOC	1.73	0.07
2151	Tank	VOC	1.82	0.39
2152	Tank	VOC	1.82	0.38
2153	Tank	VOC	1.82	0.38

2154	Tank	VOC	1.82	0.39
2155	Tank	VOC	1.82	0.39
2156	Tank	VOC	1.82	0.39
2157	Tank	VOC	1.78	0.26
2158	Tank	VOC	1.78	0.26
3200	Tank	VOC	2.10	1.45
3201	Tank	Veg Oil	<0.10	<0.10
3202	Tank	Veg Oil	<0.10	<0.10
3203	Tank	VOC	2.83	7.83
3204	Tank	VOC	3.21	10.51
3205	Tank	VOC	3.13	10.09
3206	Tank	VOC	5.13	1.65
DFILL	Diesel Emissions	VOC	3.02	6.88
DOCK No. 5	Fugitives (4)	VOC	0.01	0.1
DOCK5VCU	VCU Barge Dock	VOC	32.27	73.6
			NO _x	20.85
			47.5	
			CO	41.70
			95.1	
			PM ₁₀	0.59
			1.3	
			SO ₂	0.05
			0.1	
LR-1	Truck Rack	VOC, Lube Oil	1.8	0.9
LR-2	Truck Rack	VOC, Lube Oil	1.8	0.9
LR-3	Truck Rack	VOC, Lube Oil	1.8	0.6
LR-4	Truck Rack	VOC, Lube Oil	2.4	0.7

LR-5	Truck Rack	VOC, Lube Oil	0.9	3.7
LR-100	Truck Rack	VOC, Lube Oil	0.9	0.3
LR-101	Truck Rack	VOC, Lube Oil	0.5	0.15
LR-200	Truck Rack	Veg Oil	<0.1	<0.1
LR-201	Truck Rack	Veg Oil	<0.1	<0.1
LR-202	Truck Rack	Veg Oil	<0.1	<0.1
N24-1	Railcar Spot	VOC, Lube Oil	0.9	(5)
N24-2	Railcar Spot	VOC, Lube Oil	0.9	(5)
N24-3	Railcar Spot	VOC, Lube Oil	0.9	(5)
N24-4	Railcar Spot	VOC, Lube Oil	0.9	(5)
N25-1	Railcar Spot	VOC, Lube Oil	0.9	(6)
N25-2	Railcar Spot	VOC, Lube Oil	0.9	(6)
N25-3	Railcar Spot	VOC, Lube Oil	0.9	(6)
N25-4	Railcar Spot	VOC, Lube Oil	0.9	(6)
N25-5	Railcar Spot	VOC, Lube Oil	0.9	(6)
N25-6	Railcar Spot	VOC, Lube Oil	0.9	(6)
N25-7	Railcar Spot	VOC, Lube Oil	0.9	(6)
N25-8	Railcar Spot	VOC, Lube Oil	0.9	(6)
N25-9	Railcar Spot	VOC, Lube Oil	0.9	(6)
N25-10	Railcar Spot	VOC, Lube Oil	0.9	(6)
N25-11	Railcar Spot	VOC, Lube Oil	0.9	(6)
N25-12	Railcar Spot	VOC, Lube Oil	0.9	(6)

N25-13	Railcar Spot	VOC, Lube Oil	0.9	(6)
N2829-1	Railcar Spot	Veg Oil	<0.1	(7)
N2829-2	Railcar Spot	Veg Oil	<0.1	(7)
N2829-3	Railcar Spot	Veg Oil	<0.1	(7)
N2829-4	Railcar Spot	Veg Oil	<0.1	(7)
N2829-5	Railcar Spot	Veg Oil	<0.1	(7)
OD-1	Dock	VOC, Lube Oil	1.3	0.1
OD-2	Dock	VOC, Lube Oil	1.3	0.1
OD-3	Dock	VOC, Lube Oil	13.4	0.2
OILDOCK No. 2	Fugitives, (4) Marine Dock 2	VOC (naphtha)	0.15	0.002
		VOC (coal tar)	< 0.01	< 0.01
TNKFUGIT1	Fugitives, (4) Main Tank Farm	VOC, Lube Oil	2.58	11.29
TNKFUGIT2	Fugitives, (4) TK-100 Farm	VOC, Lube Oil	0.52	2.28
TNKFUGIT3	Fugitives, (4) 100-Series Tank Farm	VOC, Lube Oil	0.60	2.64
TNKFUGIT4	Fugitives, (4) 200-Series Tank Farm	Veg Oil	<0.01	<0.01
TNKFUGIT5	Fugitives, (4) Union Carbide Tank Farm	Veg Oil	<0.01	<0.01
Boiler 1	Boiler 1	VOC	0	0.39
		CO	0	6.02
		NO _x	0	7.16
Boiler 2	Boiler 2	VOC	0	0.25
		CO	0	3.79
		NO _x	0	4.51
Boiler 3	Boiler 3	VOC	0	0.23

		CO	0	3.51
		NO _x	0	4.18
H.O. 1	Hot Oil Heater 1	VOC	0	0.28
		CO	0	4.33
		NO _x	0	5.15
H.O. 2	Hot Oil Heater 2	VOC	0	0.09
		CO	0	1.44
		NO _x	0	1.72

- (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) CO - carbon monoxide
NO_x - total oxides of nitrogen
Veg Oil - vegetable oil
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
PM - particulate matter suspended in the atmosphere, including PM₁₀.
PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
SO₂ - sulfur dioxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) The sum of the VOC emissions from all the loading spots in the Loading Rack N24 may not exceed 0.3 tpy.
- (6) The sum of the VOC emissions from all the loading spots in the Loading Rack N25 may not exceed 0.1 tpy.
- (7) The sum of the VOC emissions from all the loading spots in the Loading Rack N2829 may not exceed 0.1 tpy.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

_____Hrs/day_____Days/week_____Weeks/year or 8,760 Hrs/year

**Compliance with annual emission limits is based on a rolling 12-month period.

Dated _____