EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 20772

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 Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
B-406A	Boiler No. 1 (21 MMBTU/hr)	PM_{10}	0.27	1.18
		SO_2	0.01	0.05
		NO_x	0.75	3.27
		CO	0.67	2.94
		VOC	0.05	0.23
B-406B	Boiler No. 2 (21 MMBTU/hr)	PM_{10}	0.27	1.18
		SO_2	0.01	0.05
		NO_x	0.75	3.27
		CO	0.67	2.94
		VOC	0.05	0.23
DR-001	Drumfill	VOC	24.22	0.12
F-1	Flare	VOC	86.2	19.22
		NO_x	4.26	0.46
		CO	21.8	2.41
FP-001	Fire Pump	VOC	0.15	<0.01
		PM_{10}	0.11	<0.01
		SO_2	0.10	<0.01
		NO_x	1.52	0.04
		CO	0.33	<0.01
FU-006	Fugitives (4)	VOC	0.08	0.33
FU-007	Fugitives (4)	VOC	0.05	0.22
FU-009	Fugitives (4)	VOC	0.07	0.30

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	Emission Rates * TPY**
FU-010	Fugitives (4)	VOC	0.37	1.60
FU-011	Fugitives (4)	VOC	0.09	0.41
FU-013	Fugitives (4)	VOC	0.06	0.03
FU-014	Fugitives (4)	VOC	1.84	7.95
FU-015	Fugitives (4)	VOC	0.24	1.06
FU-018	Fugitives (4)	VOC	1.38	6.05
H-500	Crude Oil Heater (6 MMBTU/hr)	PM_{10}	0.08	0.33
		SO_2	<0.01	0.01
		NO_x	0.76	3.32
		CO	0.19	0.83
		VOC	0.02	0.07
H-900	Crude Oil Heater (4 MMBTU/hr)	PM_{10}	0.05	0.22
		SO_2	<0.01	<0.01
		NO_x	0.51	2.21
		CO	0.13	0.55
		VOC	0.01	0.04
H-9100A	Heater No. 1 (22.1 MMBTU/hr)	PM_{10}	0.28	1.23
		SO_2	0.01	0.05
		NO_x	0.78	3.40
		CO	0.70	3.06
		VOC	0.06	0.24
H-9100B	Heater No. 2 (22.1 MMBTU/hr)	PM_{10}	0.28	1.23
		SO_2	0.01	0.05
		NO_x	0.78	3.40
		CO	0.70	3.06
		VOC	0.06	0.24

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	Emission Rates * TPY**
H-9100C	Heater No. 3 (25 MMBTU/hr)	PM_{10}	0.32	1.38
		SO_2	0.01	0.06
		NO_x	0.88	3.84
		CO	0.79	3.46
		VOC	0.06	0.28
M-9310	Wastewater Thermal Oxidizer	VOC	0.40	0.80
		NO_x	0.05	0.10
		SO_2	0.10	0.20
		CO	0.60	1.20
RR-01	Rail Car Loading Rack RR-01	VOC	13.40	1.17
RR-02	Rail Car Loading Rack RR-02	VOC	1.75	0.58
T-51	Tank 51	VOC	0.17	1.52
T-52	Tank 52	VOC	0.17	1.52
T-61	Tank 61	VOC	0.30	0.94
T-62	Tank 62	VOC	0.30	0.94
T-63	Tank 63	VOC	0.30	0.94
T-64	Tank 64	VOC	0.30	0.94
T-65	Tank 65	VOC	0.15	1.09
T-66	Tank 66	VOC	0.15	1.09
T-67	Tank 67	VOC	0.07	0.43
T-70	Tank 70	VOC	0.02	5.35
T-74	Tank 74	VOC	0.03	1.79

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
T-75	Tank 75	VOC	0.03	1.79
T-82	Tank 82	VOC	0.03	0.12
T-84	Tank 84	VOC	0.03	0.02
T-85	Tank 85	VOC	0.67	0.29
T-600	Tank 600	VOC	80.24	0.06
T-648	Tank 648	VOC	0.12	0.51
T-661	Tank 661	VOC	80.24	0.11
T-662	Tank 662	VOC	80.24	0.13
T-663	Tank 663	VOC	80.24	0.13
T-664	Tank 664	VOC	23.87	0.07
T-665	Tank 665	VOC	23.87	0.07
T-666	Tank 666	VOC	23.87	0.07
T-681	Tank 681	VOC	0.33	1.01
T-682	Tank 682	VOC	0.33	1.01
T-683	Tank 683	VOC	0.67	0.03
T-684	Tank 684	VOC	0.67	0.03
T-2001	Tank 2001	VOC	0.36	1.04
T-2002	Tank 2002	VOC	0.67	0.07

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
T-2003	Tank 2003	VOC	0.36	1.04
T-2004	Tank 2004	VOC	0.67	0.07
T-2005	Tank 2005	VOC	0.67	0.07
T-2006	Tank 2006	VOC	0.67	0.07
T-2007	Tank 2007	VOC	0.67	0.07
T-2008	Tank 2008	VOC	0.67	0.07
T-2009	Tank 2009	VOC	0.67	0.07
T-2010	Tank 2010	VOC	0.67	0.07
T-2011	Tank 2011	VOC	0.67	0.07
T-2012	Tank 2012	VOC	0.36	1.04
T-2014	Tank 2014	VOC	0.36	1.04
T-2016	Tank 2016	VOC	0.36	1.04
TT-01	Tank Truck Loading Rack TT-01	VOC	11.17	0.84
TT-02	Tank Truck Loading Rack TT-02	VOC	2.91	0.38
TT-04	Tank Truck Loading Rack TT-04	VOC	0.34	0.05
TT-06	Tank Truck Loading	VOC	2.91	0.33

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
	Rack TT-06			
TT-08	Tank Truck Loading Rack TT-08	VOC	11.17	0.43
VRS-1	Barge Loading VRU	VOC	19.38	0.43

(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 - particulate matter, suspended in the atmosphere, including PM_{10}.
PM_{10} - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
CO - carbon monoxide
(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

* 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 May 30, 2002