EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 70898 PSD-TX-410-M2

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**
9	Precoking Heater BA1100	NO_x	1.8	8.0
		CO	1.3	5.8
		VOC	0.07	0.3
		SO_2	0.02	0.1
		PM_{10}	0.33	1.5
10	Heaters BA1001, BA1101, and BA1202 (5)	NO_x **(PSD)**	4.9	21.6
		CO	3.7	16.3
		VOC	0.2	0.8
		SO_2 **(PSD)**	0.06	0.2
		PM_{10}	0.9	4.1
12	Calciner Kiln (5)	NO_x **(PSD)**	23.0	100.1
		CO	2.3	10.1
		VOC	0.05	0.2
		SO_2 **(PSD)**	194.5	851.9
		PM **(PSD)**	28.0	122.6
		PM_{10}	14.0	61.3
13	Plant Flare (5)	NO_x **(PSD)**	1.7	7.6
		CO	8.9	39.1
		VOC	5.6	24.5
		SO_2 **(PSD)**	0.01	0.06
15	Sour Water Tank	VOC	0.06	0.08
16	Lite Oil Tank A	VOC	0.33	1.44
17	Lite Oil Tank B	VOC	0.33	1.44
18	Lite Oil Tank C	VOC	0.33	1.44
19	Sourwater Tank A	VOC	0.04	0.11

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
20	Heavy Oil Tank B	VOC	0.04	0.11
21	Feedstock Tank 1501	VOC	<0.01	0.01
22	Feedstock Tank 1502	VOC	<0.01	0.01
23	Feedstock Tank 1503	VOC	0.001	0.004
24	Gas Oil Tank 1508	VOC	0.04	0.21
25	Naphtha Tank 1507	VOC	0.19	1.34
27	Slop Oil Tank 1509	VOC	0.004	0.11
29	Cooling Tower	VOC	0.06	0.28
31A	Cooler/Emergency Storage Silo	PM	0.39	1.72
31B	Calcined Coke Conveyors	PM	0.18	0.78
31C	Calcined Coke Barge Dock	PM	0.11	0.50
31D	Calcined Coke Loadout Stations	PM	0.08	0.33
31E	Calcined Coke Storage Silos	PM	0.10	0.45
32	Feedstock Tank 1504	VOC	0.001	0.005
33	Green Coke Handling and Storage	PM	2.20	9.62
36	Feedstock Blend Tank 1506	VOC	0.002	0.009
44	Feedstock Tank 1510	VOC	0.001	0.005
45	Feedstock Tank 1511	VOC	0.001	0.005
50	Heaters BA1102, and BA1103	NO_x	4.4	19.3
		CO	3.5	15.5
		VOC	0.2	0.8

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
		SO_2	0.05	0.2
		PM_{10}	0.9	3.9
51	Compress Engine 1	NO_x	2.38	10.4
		CO	4.21	18.5
		VOC	2.07	9.1
		SO_2	0.004	0.02
		PM_{10}	0.001	0.001
52	Compress Engine 2	NO_x	2.38	10.4
		CO	4.21	18.5
		VOC	2.07	9.1
		SO_2	0.004	0.02
		PM_{10}	0.001	0.001
53	Tank Heater BA1201	NO_x	0.44	1.9
		CO	0.58	2.5
		VOC	0.08	0.3
		SO_2	0.008	0.04
		PM_{10}	0.15	0.64
54	Dedusting Oil Tank FA1401	VOC	0.004	0.006
55	Cooling Tower	VOC	0.016	0.07
57	Oil Barge Dock	VOC	4.1	0.25
		Naphtha	4.5	0.65
58	Naphtha Truck Loading Station	Naphtha	1.5	0.007
59	Gas Oil Truck Loading Station	VOC	0.015	0.01
60	Light Naphtha Truck Loading	Naphtha	1.34	0.07
67	Naphtha Vapor Combustion Unit (Dock Flare) CB1750	NO_x	5.3	0.8
		CO	10.5	1.7
		VOC	24.5	3.9
		SO_2	0.01	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
68	Naphtha Storage Tank 1512	VOC	0.56	2.41
69	Railcar Oil Loading Station (6)	VOC	0.54	0.168
FUG-PA	Green Coke Handling and Storage (4) 5.4	PM		1.24
FUG-VOC-1	Equipment Fugitives (4)	VOC	1.34	5.9
FUG-VOC-2	Wastewater Treatment Station (4)	VOC	3.75	16.4

(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) NO_x - total oxides of nitrogen
CO - carbon monoxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
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.
NH_3 - ammonia
H_2S - hydrogen sulfide
(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
(5) PSD-TX-410-M2 - Emission sources for NO_x, SO_2, and PM.
(6) Previously authorized as a Permit by Rule.

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

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

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

Dated December 20, 2004