EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 20807

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*
1A	Preheater/Incinerator No. 1 (5)	SO_2	45.01	160.93
		NO_x	6.04	24.03
		CO 33.52	118.68	
		VOC 8.84	19.57	
		PM/PM_{10}	5.68	16.72
		H_2S 0.33	1.28	
		HCl 0.24	0.84	
		Benzene (6)	0.14	0.50
		Ethyl Benzene (6)	0.28	0.98
		HAPs 0.07	0.31	
3	Boiler (5)	PM/PM_{10}	0.05	0.23
		NO_x	0.68	2.99
		SO_2	<0.01	0.02
		CO	0.57	2.51
		VOC	0.04	0.16
		HAPs	0.01	0.06
29	Loading Rack (4 and 7) Fugitives	PM/PM_{10}	0.30	0.75
		CO	0.08	0.35
		VOC	1.06	2.66
		H_2S	0.04	0.19
30	Loading Rack (4 and 7) Fugitives	PM/PM_{10}	0.30	0.75
		CO	0.08	0.35
		VOC 1.06	1.11	
		H_2S	0.04	0.19
31	BD Oil Loading (4)	VOC	16.87	0.26

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates ** lb/hr	TPY *
22 through 28	Pouring Shed (4 and 7) Vents	PM/PM_{10}	1.24	0.93
		CO	0.08	0.06
		VOC	4.40	3.30
		Vinyl Acetate	1.92	1.44
		H_2S	0.05	0.04
33	Asphalt Solvent Cold Cleaner (4)	VOC	0.08	0.33
8	Tank 5 Heater (5)	PM/PM_{10}	0.01	0.03
		SO_2	<0.01	<0.01
		NO_x	0.08	0.34
		CO	0.07	0.29
		VOC	<0.01	0.02
		HAPs	<0.01	0.01
10	Tank 100 Heater (5)	PM/PM_{10}	0.01	0.05
		SO_2	<0.01	<0.01
		NO_x	0.15	0.64
		CO	0.12	0.54
		VOC	0.01	0.04
		HAPs	<0.01	0.01
12	Tank 202 Heater (5)	PM/PM_{10}	0.01	0.05
		SO_2	<0.01	<0.01
		NO_x	0.15	0.64
		CO	0.12	0.54
		VOC	0.01	0.04
		HAPs	<0.01	0.01

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 *
63	Tank 401A Heater (5)	PM/PM_{10}	0.01	0.05
		SO_2	<0.01	<0.01
		NO_x	0.15	0.64
		CO	0.12	0.54
		VOC	0.01	0.04
		HAPs	<0.01	0.01
64	Tank 401B Heater (5)	PM/PM_{10}	0.01	0.05
		SO_2	<0.01	<0.01
		NO_x	0.15	0.64
		CO	0.12	0.54
		VOC	0.01	0.04
		HAPs	<0.01	0.01
65	Tank 402A Heater (5)	PM/PM_{10}	0.01	0.05
		SO_2	<0.01	<0.01
		NO_x	0.15	0.64
		CO	0.12	0.54
		VOC	0.01	0.04
		HAPs	<0.01	0.01
66	Tank 402B Heater (5)	PM/PM_{10}	0.01	0.05
		SO_2	<0.01	<0.01
		NO_x	0.15	0.64
		CO	0.12	0.54
		VOC	0.01	0.04
		HAPs	<0.01	0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

(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) SO_2 - sulfur dioxide
NO_x - total oxides of nitrogen
CO - carbon monoxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
PM - particulate matter, suspended in the atmosphere, including PM_{10}
PM_{10} - particulate matter equal to or less than 10 microns in diameter. The PM and PM_{10} listed together because all PM in this permit is PM_{10}.
H_2S - hydrogen sulfide
HCl - hydrogen chloride/hydrochloric acid
HAPs - any of the Section 112(b), Federal Clean Air Act named compounds
(4) Fugitives emissions are an estimate only.
(5) Hazardous air pollutant (HAP) emissions are included in the PM and VOC allowable emission rates and the speciated values are reflected on the Table 1(a)s submitted with the permit amendment application. When a HAP compound hourly emission rate exceeded 0.04 pound per hour, the compound and its emission rate were listed on the maximum allowable emission rates table; however, the HAP compound emissions are also included in the PM and VOC emission rates.
(6) Included in PM and VOC emission rate
(7) Emission rates are the sum of the emissions for all the listed emission points

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

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

** Maximum allowable hourly and annual throughputs of oxidized, unoxidized, and treated asphalt are shown in the confidential section of the Amendment Application dated August 1999 with revisions dated December 22, 1999.

Dated May 2, 2007