Permit No. 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 Source		Air Contaminant	Emission Rates **	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY*
1A	Preheater/Incinerator No. 1		45.95 22.5 80.4 24.90 26.8 1.33	159.52
		HCl 2.21 Benzene (6) Ethyl Benzene (6) Methyl Chloride (6) HAPS 0.164	7.50 0.132 0.655 0.042 0.558	0.45 2.23 0.143
3	Boiler (5)	PM_{10} NO_X SO_2 CO VOC $HAPS$	0.053 0.70 0.004 0.59 0.04 0.013	0.23 3.07 0.018 2.58 0.17 0.058
29 and 30	Loading Rack (4 and 7) Fugitives	$\begin{array}{c} PM \\ PM_{10} \\ CO \\ VOC \\ H_2 S \end{array}$	0.81 0.08 0.04 3.12 <0.01	1.05 0.11 0.05 3.88 0.014
31	BD Oil Loading (4)	VOC	0.22	0.02

AIR CONTAMINANTS DATA

Emission	Source	Air Contaminant	<u>Emission</u>	Rates *
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
32, 32A, and 67 through 72	Truck and Rail (4 and 7) Unloading Racks	PM PM_{10} CO VOC H_2S	0.006 0.0006 0.024 0.022 0.023	0.0013 <0.0002 0.073 0.005 0.071
22 through 28	Pouring Shed (4 and 7) Vents	PM PM ₁₀ CO VOC Vinyl Acetate	5.13 4.03 0.05 5.02 1.92	0.64 0.06 0.04 2.41 1.44
33	Asphalt Solvent Cold Cleaner (4)	VOC	0.08	0.33
4	Tank 1Heater (5)	PM ₁₀ SO ₂ NO _X CO VOC HAPS	0.006 0.0005 0.08 0.07 0.004 <0.0015	0.027 0.002 0.35 0.30 0.019 <0.007
5	Tank 2 Heater (5)	PM_{10} SO_2 NO_X CO VOC $HAPS$	0.006 0.0005 0.08 0.07 0.004 <0.0015	0.027 0.002 0.35 0.30 0.019 <0.007
6	Tank 3 Heater (5)	PM ₁₀ SO ₂ NO _X CO VOC HAPS	0.006 0.0005 0.08 0.07 0.004 <0.0015	0.027 0.002 0.35 0.30 0.019 <0.007
7	Tank 4 Heater (5)	PM ₁₀	0.0013	0.027

AIR CONTAMINANTS DATA

Emission	Source	Air Contaminant	Emission Rates *		
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY	
		SO_2	0.0005	0.002	
		NO_X	0.08	0.35	
		CO	0.07	0.30	
		VOC	0.004	0.019	
		HAPS	<0.0015	<0.007	
8	Tank 5 Heater (5)	PM_{10}	0.006	0.027	
		SO_2	0.0005	0.002	
		NO_X	0.08	0.35	
		CO	0.07	0.30	
		VOC	0.004	0.019	
		HAPS	<0.0015	<0.007	
9	Tank 35 Heater (5)	PM_{10}	0.006	0.027	
	, ,	SO_2	0.0005	0.002	
		NO_X	0.08	0.35	
		CO	0.07	0.30	
		VOC	0.004	0.019	
		HAPS	<0.0015	<0.007	
10	Tank 100 Heater (5)	PM_{10}	0.011	0.05	
	,	SO_2	0.001	0.004	
		NO_X	0.15	0.66	
		CO	0.13	0.55	
		VOC	0.008	0.04	
		HAPS	<0.003	0.012	
11	Tank 201 Heater (5)	PM_{10}	0.02	0.083	
	,	SO_2	0.0015	0.007	
		NO_X	0.25	1.10	
		CO	0.21	0.92	
		VOC	0.014	0.06	
		HAPS	<0.005	0.021	
12	Tank 202 Heater (5)	PM_{10}	0.02	0.083	
	. ,	SO_2	0.0015	0.007	

			NOx CO VOC HAPS	0.25 0.21 0.014 <0.005	1.10 0.92 0.06 0.021
63	Tank 401A Heater (5)		PM ₁₀ SO ₂ NO _X CO VOC HAPS	0.009 0.0007 0.12 0.10 0.007 <0.0023	0.04 0.003 0.53 0.44 0.03 <0.001
64	Tank 401B Heater	(5)	PM ₁₀ SO ₂ NO _X CO VOC HAPS	0.009 0.0007 0.12 0.10 0.007 <0.0023	0.04 0.003 0.53 0.44 0.03 <0.001
65	Tank 402A Heater	(5)	PM ₁₀ SO ₂ NO _X CO VOC HAPS	0.009 0.0007 0.12 0.10 0.007 <0.0023	0.04 0.003 0.53 0.44 0.03 <0.001
66	Tank 402B Heater	(5)	$\begin{array}{c} PM_{10} \\ SO_2 \\ NO_X \\ CO \\ VOC \\ HAPS \end{array}$	0.009 0.0007 0.12 0.10 0.007 <0.0023	0.04 0.003 0.53 0.44 0.03 <0.001

Permit No. 20807 Page 5

- (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) PM particulate matter, suspended in the atmosphere, including PM₁₀.
- $PM_{10}\,$ 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.

VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1

NO_X - total oxides of nitrogen

SO₂ - sulfur dioxide

CO - carbon monoxide

HCl - hydrogen chloride/hydrochloric acid

H₂S - hydrogen sulfide

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/year	52	or Hrs/year	8,760	
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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:	April 7, 2000