EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 6907

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 and 3	Incinerator/Waste Heat Boiler (5) and Incinerator/Preheater (Combined Annual Emissions)	PM_{10}	21.00	
		SO_2	130.5	
		NO_X	25.50	
		CO		37.50
		VOC		15.00
		H_2S		1.50
		HCl		1.35
		HAPS		17.45
1A	Incinerator/Waste Heat Boiler (5, 6, and 7)	PM_{10}		2.15
		SO_2	13.34	
		NO_X	2.61	
		CO	3.83	
		VOC	1.53	
		H_2S	0.153	
		HCl	0.138	
		HAPS	1.786	
3	Incinerator/Preheater (4, 6, and 7)	PM_{10}	4.29	
		SO_2	26.68	
		NO_X	5.21	
		CO	7.67	
		VOC	3.07	
		H_2S	0.307	

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
		HCl	.276	
		HAPS	3.567	
189	Boiler Stack (5)	PM_{10}	0.176	0.773
		SO_2	0.008	0.033
		NO_X	1.76	7.73
		CO	0.441	1.93
		VOC	0.035	0.154
		HAPS	0.00213	0.0092
312	Preheater Stack (5)	PM_{10}	0.06	0.26
		SO_2	0.003	0.013
		NO_X	0.50	2.19
		CO	0.11	0.46
		VOC	0.019	0.084
		HAPS	0.0008	0.0036
221	Tank 1 Heater (5)	PM_{10}	0.018	0.078
		SO_2	0.001	0.004
		NO_X	0.150	0.657
		CO	0.032	0.138
		VOC	0.006	0.025
		HAPS	0.00025	0.0011
224	Tank 2 Heater (5)	PM_{10}	0.018	0.078
		SO_2	0.001	0.004
		NO_X	0.150	0.657
		CO	0.032	0.138
		VOC	0.006	0.025
		HAPS	0.00025	0.0011
227	Tank 3 Heater (5)	PM_{10}	0.018	0.078

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
		SO_2	0.001	0.004
		NO_X	0.150	0.657
		CO	0.032	0.138
		VOC	0.006	0.025
		HAPS	0.00025	0.0011
230	Tank 4 Heater (5)	PM_{10}	0.018	0.078
		SO_2	0.001	0.004
		NO_X	0.150	0.657
		CO	0.032	0.138
		VOC	0.006	0.025
		HAPS	0.00025	0.0011
233	Tank 6 Heater (5)	PM_{10}	0.010	0.042
		SO_2	0.0005	0.002
		NO_X	0.080	0.350
		CO	0.017	0.074
		VOC	0.003	0.013
		HAPS	0.00013	0.00058
236	Tank 13 Heater (5)	PM_{10}	0.010	0.042
		SO_2	0.0005	0.002
		NO_X	0.080	0.350
		CO	0.017	0.074
		VOC	0.003	0.013
		HAPS	0.00013	0.00058
239	Tank 14 Heater 1 (5)	PM_{10}	0.030	0.130
		SO_2	0.001	0.007
		NO_X	0.250	1.100
		CO	0.053	0.230
		VOC	0.010	0.042
		HAPS	0.00041	0.00182

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
240	Tank 14 Heater 2 (5)	PM_{10}	0.030	0.130
		SO_2	0.001	0.007
		NO_X	0.250	1.100
		CO	0.053	0.230
		VOC	0.010	0.042
		HAPS	0.00041	0.00182
243	Tank 15 Heater 1 (5)	PM_{10}	0.030	0.130
		SO_2	0.001	0.007
		NO_X	0.250	1.100
		CO	0.053	0.230
		VOC	0.010	0.042
		HAPS	0.00041	0.00182
244	Tank 15 Heater 2 (5)	PM_{10}	0.030	0.130
		SO_2	0.001	0.007
		NO_X	0.250	1.100
		CO	0.053	0.230
		VOC	0.010	0.042
		HAPS	0.00041	0.00182
247	Tank 16 Heater (5)	PM_{10}	0.010	0.042
		SO_2	0.0005	0.002
		NO_X	0.080	0.350
		CO	0.017	0.074
		VOC	0.003	0.013
		HAPS	0.00013	0.00058
250	Tank 17 Heater 1 (5)	PM_{10}	0.030	0.130
		SO_2	0.001	0.007
		NO_X	0.250	1.100
		CO	0.053	0.230
		VOC	0.010	0.042
		HAPS	0.00041	0.00182

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
251	Tank 17 Heater 2 (5)	PM_{10}	0.030	0.130
		SO_2	0.001	0.007
		NO_X	0.250	1.100
		CO	0.053	0.230
		VOC	0.010	0.042
		HAPS	0.00041	0.00182
254	Tank 18 Heater (5)	PM_{10}	0.010	0.042
		SO_2	0.0005	0.002
		NO_X	0.080	0.350
		CO	0.017	0.074
		VOC	0.003	0.013
		HAPS	0.00013	0.00058
271	Asphalt Truck Unloading	PM_{10}	0.0003	0.00065
		CO	0.085	0.157
		H_2S	0.103	0.191
		VOC(a)	0.001	0.0023
FUG-2	Asphalt Tank Car	PM_{10}	0.0003	0.00065
		CO	0.085	0.157
		H_2S	0.103	0.191
		VOC(a)	0.001	0.0023
217, 218, and 219		Asphalt Truck Loading (5) PM		
	0.132	0.092		
	Racks	PM_{10}	0.013	0.009
		CO	0.257	0.085
		VOC(a)	0.479	0.57
		H_2S	0.039	0.02
		HAPS	0.0003	0.0005
258	Tank 20	VOC	0.022	0.0006

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
280 and 282 through 286	Pouring Sheds A, B, and C	PM	0.986	0.779
		PM_{10}	0.0986	0.078
		CO	0.045	0.035
		VOC(a)	3.50	2.76
		H_2S	0.0011	0.0009
287	Asphalt Solvent (5) Cold Cleaner	VOC	0.075	0.330
		HAPS	0.0059	0.004
311	Cutter Stock Loading System	VOC	46.97	3.41
313	Asphalt Solvent (5) Cold Cleaner	VOC	0.075	0.330
		HAPS	0.0008	0.0034

(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 General Rule 101.1
VOC(a) - asphalt fumes
NO_X - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - particulate matter suspended in the atmosphere, including PM_{10}
PM_{10} - particulate matter of 10 microns or less in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
CO - carbon monoxide
HCl - hydrogen chloride
H_2S - hydrogen sulfide
HAPS - any of the Section 112(b), Federal Clean Air Act named compounds

(4) Fugitive emissions are an estimate only.
(5) HAPS included in PM and VOC emission rates. H_2S and HCl not included in HAPS value. Speciated emissions are reflected on the Table 1(a) in the permit file.
(6) The total HCl emissions from both Emission Point Nos. (EPNs) 1A and 3 shall not exceed 0.28 pound per hour.
(7) For annual emissions see EPNs 1A and 3

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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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

Maximum hourly asphalt blowing throughput and a maximum annual throughput of asphalt are shown by the Owens Corning Fiberglas Confidential Information packet dated February 1997 titled Permit Amendment and Renewal Application located in the confidential file.