EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 21768

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
R-1	Coater (9)	PM	1.82	4.99
		PM_{10}	1.82	4.99
		SO_x	0.28	0.75
		CO	0.46	1.55
		VOC	8.56	23.41
		HAPS	<0.45	<1.24
R-2	Filler Heater Stack (8)	PM	0.021	0.093
		PM_{10}	0.021	0.093
		NO_x	0.28	1.23
		SO_2	0.002	0.007
		CO	0.24	1.03
		VOC	0.015	0.068
		HAPS	<0.0003	0.0011
R-3 and R4	Cooling Section (5 and 8) Stacks 1 and 2	PM	5.54	15.23
		PM_{10}	1.66	4.57
		VOC	1.29	3.56
		HAPS	<0.161	0.447
R5, R6, and R7	General Ventilation (6 and 8) Vents 1, 2, and 3	PM	1.51	4.16
		PM_{10}	0.76	2.10
		VOC	3.67	10.10
		HAPS	<0.332	0.911
R8	Hot Oil Heater Stack (8)	PM_{10}	0.01	0.04
		NO_x	0.12	0.53
		SO_2	<0.001	0.003
		CO	0.101	0.44
		VOC	0.007	0.029
		HAPS	<0.00011	0.0005

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AIR CONTAMINANTS DATA

Emission Point No. (1) *	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY
R9	Filler Storage Silo	PM_{10}	0.09	0.39
R10	Filler Upper Surge Hopper	PM_{10}	0.10	0.45
R14	Asphalt Preheater No. 1 Stack (8)	PM_{10}	0.011	0.05
		NO_x	0.15	0.66
		SO_2	<0.001	0.004
		CO	0.126	0.55
		VOC	0.008	<0.04
		HAPS	<0.00014	<0.0006
R15	Process Dust Collector (8) Vent	PM_{10}	1.43	7.56
		VOC	0.19	0.53
		HAPS	0.0011	0.0047
R16	Adhesive Hot Oil (8) Heater Stack	PM_{10}	0.009	0.04
		NO_x	0.12	0.53
		SO_2	0.001	0.003
		CO	0.101	0.44
		VOC	0.007	0.029
		HAPS	0.0001	0.0005
A78	Storage Tank No. 32 (8) Heater Stack	PM_{10}	0.006	0.027
		SO_x	<0.001	0.002
		NO_x	0.08	0.35
		CO	0.07	0.29
		VOC	0.004	0.02
		HAPS	<0.0001	0.0003
A79	Storage Tank No. 33 (8) Heater Stack	PM_{10}	0.006	0.027
		SO_x	<0.001	0.002
		NO_x	0.08	0.35
		CO	0.07	0.29
		VOC	0.004	0.02
		HAPS	<0.0001	0.0003

R18A and R18C	Bulk Granule (4 and 7) Unloading	PM	0.001	0.05
		PM_{10}	0.001	0.05

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(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 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.
SO_x - sulfur oxides
CO - carbon monoxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1.
HAPS - any of the § 112(b), Federal Clean Air Act named compounds.
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
(4) Fugitive emission.
(5) The maximum allowable emission values represent the sum of the emissions from R3 and R.4
(6) The maximum allowable emission values represent the sum of the emissions from R5, R6, and R7.
(7) The maximum allowable emission values represent the sum of the emissions from R18A and R18C.
(8) HAPS are included in the PM and VOC maximum allowable emission quantities. Speciated HAPS emission values are listed on the Table 1(a)s in the permit file.
(9) HAPS are included in the PM and VOC maximum allowable emission quantities. Speciated HAPS emission values are listed on the Table titled "Proposed Emissions from Coater (R-1)" dated December 22, 2003, in the permit file.

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

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

Maximum roofing shingle production limited to quantity indicated on the addendum in the confidential file.

Dated August 5, 2004