

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
Roofing Plant				
R-1	Coater (8)	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/PM ₁₀	0.01	0.05
		NO _x	0.15	0.66
		SO ₂	<0.001	0.004
		CO	0.13	0.55

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
		VOC	0.01	0.04
		HAPS	<0.00013	0.0006
R15	Process Dust Collector (8) Vent	PM/PM ₁₀	1.71	7.51
		VOC	0.19	0.53
		HAPS	0.0001	0.0043
R18A and R18C	Bulk Granule (4 and 7) Unloading	PM	0.001	0.05
		PM ₁₀	0.001	0.05
R9	Filler Storage Silo	PM ₁₀	0.09	0.39
R10	Filler Upper Surge Hopper	PM/PM ₁₀	0.10	0.45
R-86A	Cold Cleaner	VOC	0.22	0.95
<u>Asphalt Plant</u>				
A1	Fume Incinerator Stack (8)	PM/PM ₁₀	4.01	16.72
		VOC	0.67	2.79
		NO _x	1.56	6.51
		SO ₂	22.34	93.20
		CO	11.37	47.43
		HCl	6.56	2.67
		H ₂ S	0.22	0.93
		HAPS	0.891	4.40
R14	Asphalt Preheater No. 1 Stack (8)	PM/PM ₁₀	0.06	0.28
		NO _x	0.84	3.67
		SO ₂	0.01	0.02
		CO	0.70	3.08
		VOC	0.05	0.20
		HAPS	<0.00014	<0.0006

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			lb/hr	TPY
A2	Asphalt Preheater No. 2 (8) Stack	PM/PM ₁₀	0.04	0.17
		NO _x	0.50	2.19
		SO ₂	0.003	0.01
		CO	0.42	1.84
		VOC	0.03	0.12
		HAPS	0.0008	0.0034
A15 and A16	Asphalt Truck (4 and 9) Loading Racks	PM/PM ₁₀	0.92	0.17
		CO	0.17	0.10
		VOC	3.25	0.59
		H ₂ S	0.02	0.01
A123	Cutter Stock Loading (4)	VOC	0.06	0.01
A7, A9, and A12	Pouring Sheds (9)	PM/PM ₁₀	2.28	1.09
		CO	0.68	1.19
		VOC	8.09	3.87
		H ₂ S	0.09	0.16
		Vinyl Acetate	0.91	1.61
A122	Asphalt Solvent Cold Cleaner (4)	VOC	0.08	0.33
A124	RTO 1	PM/PM ₁₀	0.72	0.38
		CO	0.69	0.89
		SO ₂	4.25	12.67
		VOC	2.56	1.36
		NO _x	0.08	0.04
		H ₂ S	0.12	0.35
A125	RTO 2	PM	0.86	0.47
		CO	0.15	0.32
		SO ₂	3.44	13.47
		VOC	3.07	1.67

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			lb/hr	TPY
		H ₂ S	0.10	0.38
		NO _x 0.09	0.05	
A68, A69, A76, A77, A78, A79, and A102	Tank Burners (8 and 9)	PM/PM ₁₀	0.04	0.19
		SO ₂	0.003	0.02
		NO _x	0.56	2.45
		CO	0.47	2.06
		VOC	0.03	0.13
		HAPS	<0.001	<0.002

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
A75	Tank 28 Burner (8)	PM/PM ₁₀	0.01	0.03
		SO ₂	0.001	0.003
		NO _x	0.10	0.44
		CO	0.09	0.37
		VOC	0.006	<0.03
		HAPS	<0.0001	<0.0004
A64, A65, A70, A71, A72, A127, and A129	Tank Burners (8 and 9)	PM/PM ₁₀	0.08	0.35
		SO ₂	0.006	0.03
		NO _x	1.05	4.60
		CO 0.88	3.86	

VOC	<0.06	0.25
HAPS	<0.00014	<0.0006

- (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
PM₁₀ - 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
SO₂ - sulfur dioxide
HCl - hydrogen chloride/hydrochloric acid
H₂S - hydrogen sulfide
- (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.

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(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) Emission rates reflect the sum of emissions from all the listed emission points.

* 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

Dated August 7, 2006