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 (5)	PM/PM_{10}	1.82	4.99
		SO_2	0.28	0.75
		CO	0.46	1.55
		VOC	8.56	23.41
		HAPs	0.45	1.24
R-2	Filler Heater Stack (5)	PM/PM_{10}	0.02	0.09
		NO_x	0.28	1.23
		SO_2	<0.01	0.01
		CO	0.24	1.03
		VOC	0.02	0.07
		HAPs	<0.01	<0.01
R-3 and R4	Cooling Section (5) Stacks 1 and 2	PM	5.54	15.23
		PM_{10}	1.66	4.57
		VOC	1.29	3.56
		HAPs	<0.16	0.45
R5, R6, and R7	General Ventilation (5) Vents 1, 2, and 3	PM	1.41	4.03
		PM_{10}	0.76	2.10
		VOC	0.56	7.31
		HAPs	<0.01	0.01
R8	Hot Oil Heater Stack (5)	PM/PM_{10}	0.01	0.05
		NO_x	0.15	0.66
		SO_2	<0.01	<0.01
		CO	0.13	0.55
		VOC	0.01	0.04
		HAPs	<0.01	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
R15	Process Baghouse Stack (5)	PM/PM_{10}	1.71	7.51
		VOC	0.19	0.53
		HAPs	0.01	0.01
R18A and R18C	Bulk Granule (4) Unloading	PM/PM_{10}	<0.01	0.05
R9	Filler Storage Silo Baghouse Stack	PM/PM_{10}		0.09
	0.39			
R10	Filler Upper Surge Hopper Baghouse Stack	PM/PM_{10}	0.10	0.45
R-86A	Cold Cleaner	VOC	0.22	0.95
CECO-1	Fiber Bed Filter	PM/PM_{10}	0.27	0.29
	(Sealant Mix Tank, Adhesive	VOC	9.82	9.28
	Mix Tank, Adhesive Bulk Tank,	CO	7.66	8.29
	Adhesive Applicator, Sealant	H_2S	1.04	1.77
	Applicator, Sealant Use Tank,	HAPs	<0.01	0.01
	Adhesive Use Tank, Sealant Melt Tank 1, and Sealant Melt Tank 2)			
R30	Sealant Filler Hopper Bin Vent Filter	PM/PM_{10}	0.01	0.04
R33	Adhesive Filler Hopper Bin Vent Filter	PM/PM_{10}	0.01	0.04
R36	Hot Oil Heater	PM/PM_{10}	<0.01	0.03
		VOC	0.01	0.02
		NO_x	0.10	0.44
		SO_2	<0.01	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
		CO 0.08	0.37	
Asphalt Plant				
A1	Fume Incinerator Stack (5,6)	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_2S 0.22	0.93	
		HAPs	0.891	4.40
R14	Asphalt Preheater No. 1 Stack (5)	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	<0.01	<0.01
A2	Asphalt Preheater No. 2 (5) Stack	PM/PM_{10}	0.04	0.17
		NO_x	0.50	2.19
		SO_2	<0.01	0.01
		CO	0.42	1.84
		VOC	0.03	0.12
		HAPs	<0.01	<0.01
A15 and A16	Asphalt Truck (4) Loading Racks	PM/PM_{10}	0.92	0.17
		CO	0.17	0.10
		VOC	3.25	0.59
		H_2S	0.02	0.01
A123	Cutter Stock Loading (4)	VOC	0.06	0.01

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
A7, A9, and A12	Pouring Sheds	PM/PM_{10}	2.28	1.09
		CO	0.68	1.19
		VOC	8.09	3.87
		H_2S	0.09	0.16
		$C_4H_6O_2$	0.91	1.61
A122	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_2S	0.12	0.35	
	NO_x	0.09	0.05	
A125	RTO 2	PM/PM_{10}	0.86	0.47
		CO	0.15	0.32
		SO_2	3.44	13.47
		VOC	3.07	1.67
		H_2S	0.10	0.38
A68, A69, A76, A77, A78, A79, and A102	Tank Burners (5 and 6)	PM/PM_{10}	0.04	0.19
		SO_2	<0.01	0.02
		NO_x	0.56	2.45
		CO	0.47	2.06
		VOC	0.03	0.13
		HAPs	<0.01	<0.01
A75	Tank 28 Burner (5)	PM/PM_{10}	0.01	0.03
	SO_2	<0.01	<0.01	
	NO_x	0.10	0.44	
	CO	0.09	0.37	
	VOC	0.01	0.03	
	HAPs	<0.01	<0.01	

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A64, A65, A70, A71, A72, A127, and A129	Tank Burners (5)		PM/PM_{10}	0.08	0.35
			SO_2	<0.01	0.03
			NO_x	1.05	4.60
		CO	0.88	3.86	
		VOC	0.06	0.25	
		HAPs	<0.01	<0.01	

(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

HCl - hydrogen chloride/hydrochloric acid
H_2S - hydrogen sulfide
$C_4H_6O_2$ - vinyl acetate
(4) Fugitive emission.
(5) 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.
(6) HAPs listed are HAPs other than HCl.

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Dated August 31, 2007