

EMISSION RATES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 6093

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
7	V-1 Mixed Batch Bin	PM/PM ₁₀	<0.01	<0.01
8	V-1 Mixed Batch Bin	PM/PM ₁₀	<0.01	<0.01
3	V-1 Furnace Dry Electrostatic Precipitator	PM/PM ₁₀	2.50	10.94
		NO _x	15.63	68.47
		SO ₂	1.50	6.57
		VOC	1.59	6.98
		CO	0.82	3.60
		Chlorides	0.36	1.59
10	V-1 Mixing Chamber	PM/PM ₁₀	40.00	166.40
		NO _x	22.60	98.99
		SO ₂	7.25	31.76
		VOC(a)	22.00	96.36
		CO	24.00	105.12
		Ammonia	40.00	175.20
13	V-1 Cooling Section	PM/PM ₁₀	3.00	13.14

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			lb/hr	TPY
		VOC(a)	2.00	8.76
		Ammonia	2.00	8.76
11	V-1 Facing Oven/Asphalt Applicator	PM/PM ₁₀	0.10	0.44
		NO _x	0.04	0.18
		SO ₂	0.01	0.04
		VOC	0.31	1.36
		CO	0.04	0.18
V-1 Fug	V-1 Line Fugitives	PM/PM ₁₀	1.04	4.51
		NO _x	1.21	5.30
		SO ₂	0.03	0.09
		VOC	0.80	3.50
		CO	1.02	4.45
		Chlorides	0.12	0.53
		Ammonia	0.41	1.78
26	V-2 Mixed Batch Bin	PM/PM ₁₀	0.22	0.30
444	V-2 Cullet Bin	PM/PM ₁₀	<0.01	<0.01
50	V-2 Batch Charge Hopper	PM/PM ₁₀	<0.01	<0.01
19, 20	V-2 Furnace Stacks (East and West combined)	PM/PM ₁₀	3.50	15.33
		NO _x	76.60	335.51
		SO ₂	1.00	4.38
		VOC	1.81	8.00
		CO	0.60	2.63
		Chlorides	0.40	1.76
21	V-2 Conditioning	PM/PM ₁₀	0.82	3.59
		NO _x	0.44	1.91
		SO ₂	0.02	0.08
		VOC	0.03	0.11

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
		CO	0.37	1.60
		Chlorides	0.05	0.22
22	V-2 Mixing Chamber Stack	PM/PM ₁₀	35.00	153.30
		NO _x	12.00	52.56
		SO ₂	6.00	26.28
		VOC(a)	10.50	45.99
		CO	19.00	83.22
		Ammonia	30.00	131.40
55, 23	V-2 Cooling Section (Smoke Stripper and HEAF)	PM/PM ₁₀	4.25	18.62
		VOC(a)	2.40	10.51
		Ammonia	5.50	24.09
52	V-2 Asphalt Applicator	PM/PM ₁₀	0.18	0.79
		VOC	0.64	2.80
53	V-2 Brander	VOC	0.18	0.79
V-2 Fug	V-2 Line Fugitives	PM/PM ₁₀	2.15	9.41
		NO _x	2.51	10.99
		SO ₂	0.07	0.30
		VOC	0.55	2.41
		CO	2.11	9.23
		Chlorides	0.23	1.03
		Ammonia	0.64	2.78
36	V-3 Mixed Batch Bin	PM/PM ₁₀	0.22	0.30
37	V-3 Mixed Batch Bin	PM/PM ₁₀	0.22	0.30
445	V-3 Cullet Bin	PM/PM ₁₀	<0.01	<0.01
51	V-3 Batch Charge Hopper	PM/PM ₁₀	<0.01	<0.01
38, 39	V-3 Furnace Stacks	PM/PM ₁₀	3.50	15.33

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
	(East and West combined)	NO _x	76.60	335.51
		SO ₂	1.00	4.38
		VOC	1.81	8.00
		CO	0.60	2.63
		Chlorides	0.40	1.75
40	V-3 Mixing Chamber Stack	PM/PM ₁₀	35.00	153.30
		NO _x	14.00	61.32
		SO ₂	10.00	43.80
		VOC(a)	10.50	45.99
		CO	20.70	90.67
		Ammonia	26.00	113.88
56, 41	V-3 Cooling Section (Smoke Stripper HEAF)	PM/PM ₁₀	4.25	18.62
		VOC(a)	2.40	10.51
		Ammonia	5.50	24.09
42	V-3 Asphalt Applicator	PM/PM ₁₀	0.18	0.79
		VOC	0.64	2.80
54	V-3 Brander	VOC	0.18	0.79
V-3 Fug	V-3 Line Fugitives	PM/PM ₁₀	1.51	6.63
		SO ₂	0.08	0.34
		VOC	0.41	1.76
		Chlorides	0.28	1.25
		Ammonia	0.66	2.90
2	V-1 Unloading Fugitives	PM/PM ₁₀	<0.01	<0.01
1	V-1 Batch House	PM/PM ₁₀	<0.01	<0.01

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			lb/hr	TPY
601	V-1 Batch Silos	PM/PM ₁₀	<0.01	<0.01
602	V-1 Batch Silos	PM/PM ₁₀	<0.01	<0.01
43	V-2/V-3 Unloading Fugitives	PM/PM ₁₀	<0.01	<0.01
44	V-2/V-3 Batch House	PM/PM ₁₀	<0.01	<0.01
442	Cullet Pile	PM/PM ₁₀	0.09	0.39
17	Binder Room	VOC	0.01	0.03
		Ammonia	0.10	0.43
18	Binder Room Fugitives (4)	VOC	0.01	0.03
		Ammonia	0.10	0.43
31	Asphalt Storage Tank (b)	PM/PM ₁₀	2.04	0.03
		VOC	7.23	0.12
61	Adhesive Tank No. 1 (b)	VOC	<0.01	<0.01
62	Adhesive Tank No. 2 (b)	VOC	<0.01	<0.01

(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.

(2) Specific point source names. 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.

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

VOC - volatile organic compound as defined in Title 30 Texas Administrative Code (30 TAC) § 101.1

CO - carbon monoxide

(4) Fugitive emissions are an estimate.

Footnotes:

- (a) This VOC is defined as the sum of the individual components, which are identified as phenol, methanol, and formaldehyde.

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- (b) Sources incorporated by reference and authorized under 30 TAC § 106.472. This Permit-By-Rule does not require registration so a registration number and an effective date are unavailable.

- * Emission rates are based on and the facilities are limited to the production rates listed in the Confidential File Summary.

Dated April 12, 2006