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, sources, and related activities. 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)	e Name (2) Air Contaminant Name (3)		Emission Rates	
(1)			lbs/hour	TPY (4)	
7	V-1 Mixed Batch Bin	PM/PM ₁₀	<0.01	<0.01	
58	V-1 Mixed Batch Transfer	PM/PM ₁₀	<0.01	<0.01	
3	V-1 Furnace and V-2 Riser/Dry	PM/PM ₁₀	2.52	11.04	
	Electrostatic Precipitator Stack	PM _{2.5}	2.15	9.40	
	1 Toolphator Glaok	NO _x	16.07	70.38	
		SO ₂	1.52	6.65	
		voc	1.62	7.09	
		СО	1.19	5.20	
		Chlorides	0.41	1.81	
10	V-1 Mixing Chamber Stack	PM/PM ₁₀	40.00	166.44	
	Stack	NO _x	22.60	98.99	
		SO ₂	7.25	31.76	
		voc	20.00	96.36	
		СО	24.00	105.12	
		Ammonia	40.00	175.20	
13	V-1 Cooling Section	PM/PM ₁₀	3.00	13.14	
		voc	4.00	8.76	
		Ammonia	2.00	8.76	
11	V-1 Facing Oven/Asphalt	PM/PM ₁₀	0.10	0.44	
	Applicator	NOx	0.04	0.18	

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		SO ₂	0.01	0.04
		voc	0.31	1.36
		со	0.04	0.18
V-1 FUG, 631	V-1 Line Fugitives (5)	PM/PM ₁₀	1.04	4.51
	(5)	NO _x	1.21	5.30
		SO ₂	0.03	0.09
		voc	5.76	25.27
		со	1.02	4.45
		Chlorides	0.12	0.51
		Ammonia	0.42	1.82 0.30
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	PM/PM ₁₀	3.50	15.33
	Combined)	NO _x	76.60	335.51
		SO ₂	1.00	4.38
		voc	1.81	8.00
		со	0.60	2.63
		Chlorides	0.40	1.76
21	V-2 Riser Bypass Stack (8)	PM/PM ₁₀ /PM _{2.5}	0.82	3.59
	Stack (o)	NO _x	0.44	1.91
		SO ₂	0.02	0.08
		voc	0.03	0.11
		со	0.37	1.60
		Chlorides	0.05	0.22

22	V-2 Mixing Chamber Stack	PM/PM ₁₀	35.00	153.30
	Stack	NO _x	12.00	52.56
		SO ₂	6.00	26.28
		VOC	10.50	45.99
		со	19.00	83.22
		Ammonia	30.00	131.40
55, 23	V-2 Cooling Section (Smoke Stripper and	PM/PM ₁₀	4.25	18.62
	HEAF)	voc	2.40	10.51
		Ammonia	5.50	24.09
52	V-2 Asphalt Applicator	PM/PM ₁₀	0.18	0.79
	Αρριισατοί	voc	0.64	2.80
V-2 FUG, 630	V-2 Line Fugitives (5)	PM/PM ₁₀	2.27	9.97
	(3)	NO _x	2.51	10.99
		SO ₂	0.07	0.31
		voc	0.55	2.41
		со	2.11	9.24
		Chlorides	0.23	1.03
		Ammonia	0.64	2.82
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 (East and West	PM/PM ₁₀	3.50	15.33
	Combined)	NO _x	76.60	335.51
		SO ₂	1.00	4.38

		voc	1.81	8.00
		со	0.60	2.63
		Chlorides	0.40	1.75
40	V-3 Mixing Chamber Stack	PM/PM ₁₀	35.00	153.30
	Stack	NO _x	14.00	61.32
		SO ₂	10.00	43.80
		voc	10.50	45.99
		со	20.70	90.67
		Ammonia	26.00	113.88
56, 41	V-3 Cooling Section (Smoke Stripper and	PM/PM ₁₀	4.25	18.62
	HEAF)	voc	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
V-3 FUG	V-3 Line Fugitives (5)	PM/PM ₁₀	1.39	6.09
		SO ₂	0.08	0.31
		voc	0.41	1.81
		Ammonia	0.67	2.94
		Chlorides	0.28	1.25
10, 13, 22, 23, 40, 41, 55, 56	V-1, V-2, V-3 Manufacturing Line Total Including Starch-Based Binder Constituents (6)	voc		157.34
2	V-1 Unloading Fugitives (5)	PM/PM ₁₀	<0.01	<0.01
1	V-1 Batch House	PM/PM ₁₀	<0.01	<0.01
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 (5)	РМ	0.04	0.03
	r ugitives (5)	PM ₁₀	<0.01	<0.01
44	V-2/V-3 Batch House	PM/PM ₁₀	<0.01	<0.01
442	Cullet Piles (5)	PM/PM ₁₀	0.09	0.39
17	Binder Room (5)	voc	0.15	0.05
		Ammonia	0.10	0.43
18	Binder Room Fugitives (5)	voc	0.15	0.07
	r ugitives (5)	Ammonia	0.17	0.73
620	Resin Storage Tank No. 1	voc	1.83	0.17
621	Resin Storage Tank No. 2	voc	1.83	0.17
622	Cross-Linker 1 Storage Tank	voc	<0.01	<0.01
623	Cross-Linker 2 Storage Tank	voc	<0.01	<0.01
32	Aqueous Ammonia Tank	Ammonia (aq)	0.08	0.34
Permit by rule (PBF listed below:	R) sources incorporated	by reference. Sources remains	ain authorized by th	e PBR(s) as
PBR 106.472 (NSR	Registration No. 78155, E	Effective Date: 3/24/2006)		
30	Triazone Resin Storage Tank	Formaldehyde	0.02	<0.01
PBR 106.371 (NSR	Registration No. 84393, E	Effective Date: 4/10/2008)		
85	Cullet Water Cooling Tower	PM/PM ₁₀	0.12	0.51
PBR 106.472 (7)	•		1	•
31	Asphalt Storage Tank	PM/PM ₁₀	2.04	0.03
Tar	1 1 ALIK		†	<u> </u>
	TAIN	VOC	7.23	0.12

62	Adhesive Tank No. 2	voc	<0.01	<0.01
34	Urea Solution Tank	Ammonia	<0.01	<0.01
45	Urea Mix Tank	Ammonia	<0.01	<0.01
29	Resin Storage Tank	voc	<0.01	<0.01
		Formaldehyde	<0.01	<0.01
		Phenol	<0.01	<0.01
		Methanol	<0.01	<0.01
35	Resin Storage Tank	voc	<0.01	<0.01
		Formaldehyde	<0.01	<0.01
		Phenol	<0.01	<0.01
		Methanol	<0.01	<0.01
33	MT Oil Storage Tank	voc	<0.01	<0.01
76	Equalization Basins	voc	<0.01	<0.01
		Formaldehyde	<0.01	<0.01
		Phenol	<0.01	<0.01
		Methanol	<0.01	<0.01
28	Wash Water Surge Tank	voc	<0.01	<0.01
	Tarik	Formaldehyde	<0.01	<0.01
		Phenol	<0.01	<0.01
		Methanol	<0.01	<0.01
88	Wash Water Surge Tank	voc	<0.01	<0.01
		Formaldehyde	<0.01	<0.01
		Phenol	<0.01	<0.01
		Methanol	<0.01	<0.01
Standard Exemption	7 (7)			

4	Gas-Fired Boiler (North)	PM/PM ₁₀	0.15	0.67
	(Northly	NO _x	0.72	3.15
		SO ₂	0.01	0.05
		voc	0.11	0.48
		со	1.68	7.36
5	Gas-Fired Boiler (South)	PM/PM ₁₀	0.15	0.67
		NO _x	0.72	3.15
		SO ₂	0.01	0.05
		voc	0.11	0.48
		со	1.68	7.36

(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 Title 30 Texas Administrative Code § 101.1

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as

represented

PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as

represented

PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter

CO - carbon monoxide aq - aqueous solution

- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) For the purposes of demonstrating compliance with the representation that this site does not trigger prevention of significant deterioration for VOCs, the holder of this permit must comply with this additional limitation.
- (7) PBR 106.472 and Standard Exemption 7 do not require registration so a registration number and an effective date are unavailable.
- (8) Emission rates for EPN 21 (V-2 Riser Bypass Stack) apply during bypass use when EPN 3 (V-1 Furnace and V-2 Riser/Dry Electrostatic Precipitator) is not operational.

Date:
