

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 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 <sub>10</sub>	<0.01	<0.01
8	V-1 Mixed Batch Bin	PM <sub>10</sub>	<0.01	<0.01
3	V-1 Furnace Dry Electrostatic Precipitator	PM <sub>10</sub>	2.50	10.94
		NO <sub>x</sub>	15.63	68.47
		SO <sub>2</sub>	0.76	3.32
		VOC	1.59	6.98
		CO	0.82	3.60
		Chlorides	0.36	1.59
10	V-1 Mixing Chamber	PM <sub>10</sub>	35.00	153.30
		NO <sub>x</sub>	14.00	61.32
		SO <sub>2</sub>	8.00	35.04
		VOC(a)	22.00	96.36
		CO	18.00	78.84
		Ammonia	40.00	175.20
13	V-1 Cooling Section	PM <sub>10</sub>	3.00	13.14
		VOC(a)	2.00	8.76
		Ammonia	2.00	8.76
11	V-1 Facing Oven/Asphalt Applicator	PM <sub>10</sub>	0.10	0.44
		NO <sub>x</sub>	0.04	0.18
		SO <sub>2</sub>	0.01	0.04
		VOC	0.31	1.36
		CO	0.04	0.18

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
V-1 Fug	V-1 Line Fugitives	PM <sub>10</sub>	1.04	4.51
		NO <sub>x</sub>	1.21	5.30
		SO <sub>2</sub>	0.03	0.09
		VOC	0.80	3.50
		CO	1.02	4.45
		Chlorides	0.12	0.53
		Ammonia	0.01	0.04
26	V-2 Mixed Batch Bin	PM <sub>10</sub>	0.22	0.30
444	V-2 Cullet Bin	PM <sub>10</sub>	<0.01	<0.01
50	V-2 Batch Charge Hopper	PM <sub>10</sub>	<0.01	<0.01
19, 20	V-2 Furnace Stacks (East and West combined)	PM <sub>10</sub>	6.00	26.28
		NO <sub>x</sub>	90.20	395.00
		SO <sub>2</sub>	1.00	4.38
		VOC	1.81	8.00
		CO	0.00	0.00
		Chlorides	0.40	1.76
21	V-2 Conditioning	PM <sub>10</sub>	0.82	3.59
		NO <sub>x</sub>	0.44	1.91
		SO <sub>2</sub>	0.02	0.08
		VOC	0.03	0.11
		CO	0.37	1.60
		chlorides	0.05	0.22
22	V-2 Mixing Chamber Stack	PM <sub>10</sub>	35.00	153.30
		NO <sub>x</sub>	12.00	52.56
		SO <sub>2</sub>	6.00	26.28
		VOC(a)	10.50	45.99
		CO	19.00	83.22
		Ammonia	26.00	113.88

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
55, 23	V-2 Cooling Section (Smoke Stripper and HEAF)	PM <sub>10</sub>	4.25	18.62
		VOC(a)	2.40	10.51
		Ammonia	5.50	24.09
52	V-2 Asphalt Applicator	PM <sub>10</sub>	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 <sub>10</sub>	2.15	9.41
		NO <sub>x</sub>	2.51	10.99
		SO <sub>2</sub>	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 <sub>10</sub>	0.22	0.30
37	V-3 Mixed Batch Bin	PM <sub>10</sub>	0.22	0.30
445	V-3 Cullet Bin	PM <sub>10</sub>	<0.01	<0.01
51	V-3 Batch Charge Hopper	PM <sub>10</sub>	<0.01	<0.01
38, 39	V-3 Furnace Stacks (East and West combined)	PM <sub>10</sub>	6.00	26.28
		NO <sub>x</sub>	90.20	395.08
		SO <sub>2</sub>	1.00	4.38
		VOC	1.81	8.00
		CO	0.00	0.00
		Chlorides	0.40	1.75

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
40	V-3 Mixing Chamber Stack	PM <sub>10</sub>	35.00	153.30
		NO <sub>x</sub>	14.00	61.32
		SO <sub>2</sub>	10.00	43.80
		VOC(a)	10.50	45.99
		CO	23.00	100.74
		Ammonia	26.00	113.88
56, 41	V-3 Cooling Section (Smoke Stripper HEAF)	PM <sub>10</sub>	4.25	18.62
		VOC(a)	2.40	10.51
		Ammonia	5.50	24.09
42	V-3 Asphalt Applicator	PM <sub>10</sub>	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 <sub>10</sub>	1.51	6.63
		SO <sub>2</sub>	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 <sub>10</sub>	<0.01	<0.01
1	V-1 Batch House	PM <sub>10</sub>	<0.01	<0.01
601	V-1 Batch Silos	PM <sub>10</sub>	<0.01	<0.01
602	V-1 Batch Silos	PM <sub>10</sub>	<0.01	<0.01
43	V-2/V-3 Unloading Fugitives	PM <sub>10</sub>	<0.01	<0.01
44	V-2/V-3 Batch House	PM <sub>10</sub>	<0.01	<0.01

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CONTAMINANTS DATA			AIR	
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
442	Cullet Pile	PM <sub>10</sub>	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

(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 PM<sub>10</sub>.

PM<sub>10</sub> - 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.

VOC - volatile organic compound as defined in 30 Texas Administrative Code Section 101.1

NO<sub>x</sub> - total oxides of nitrogen

SO<sub>2</sub> - sulfur dioxide

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.

\* Emission rates are based on and the facilities are limited to the production rates listed in the confidential addendum

Dated \_\_\_\_\_