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_{10}	<0.01	<0.01
8	V-1 Mixed Batch Bin	PM_{10}	<0.01	<0.01
3	V-1 Furnace Dry Electrostatic Precipitator	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_{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_{10}	3.00	13.14

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
		VOC(a)	2.00	8.76
		Ammonia	2.00	8.76
11	V-1 Facing Oven/Asphalt Applicator	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_{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_{10}	0.22	0.30
444	V-2 Cullet Bin	PM_{10}	<0.01	<0.01
50	V-2 Batch Charge Hopper	PM_{10}	<0.01	<0.01
19, 20	V-2 Furnace Stacks (East and West combined)	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_{10}	0.82	3.59
		NO_x	0.44	1.91
		SO_2	0.02	0.08
		VOC	0.03	0.11

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
		CO	0.37	1.60
		chlorides	0.05	0.22
22	V-2 Mixing Chamber Stack	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_{10}	4.25	18.62
		VOC(a)	2.40	10.51
		Ammonia	5.50	24.09
52	V-2 Asphalt Applicator	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_{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_{10}	0.22	0.30
37	V-3 Mixed Batch Bin	PM_{10}	0.22	0.30
445	V-3 Cullet Bin	PM_{10}	<0.01	<0.01
51	V-3 Batch Charge Hopper	PM_{10}	<0.01	<0.01
38, 39	V-3 Furnace Stacks (East and West combined)	PM_{10}	3.50	15.33
		NO_x	76.60	335.51

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
		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_{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_{10}	4.25	18.62
		VOC(a)	2.40	10.51
		Ammonia	5.50	24.09
42	V-3 Asphalt Applicator	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_{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_{10}	<0.01	<0.01
1	V-1 Batch House	PM_{10}	<0.01	<0.01
601	V-1 Batch Silos	PM_{10}	<0.01	<0.01

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
602	V-1 Batch Silos	PM_{10}	<0.01	<0.01
43	V-2/V-3 Unloading Fugitives	PM_{10}	<0.01	<0.01
44	V-2/V-3 Batch House	PM_{10}	<0.01	<0.01
442	Cullet Pile	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

(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_{10} - particulate matter (PM) 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
SO_2 - sulfur dioxide
VOC - volatile organic compound as defined in Title 30 Texas Administrative Code § 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.

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

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

Dated_____