EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 25937

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
1	Grinding Apron Feeder (4)	PM	0.07	0.14
		PM_{10}	0.03	0.06
2	Grinding Drop Point (4)	PM	0.07	0.14
		PM_{10}	0.03	0.06
3	Grinding Apron Feeder (4)	PM	0.07	0.14
		PM_{10}	0.03	0.06
4	Grinding Drop Point (4)	PM	0.07	0.14
		PM_{10}	0.03	0.06
5	Grinding Dust Collector No. 1	PM_{10}	5.1	10.2
6	Grinding Drop Point (4)	PM	0.01	0.02
		PM_{10}	0.01	0.01
7	Grinding Screw Blender (4)	PM	0.02	0.03
		PM_{10}	0.01	0.01
8	Grog Apron Feeder (4)	PM	0.01	0.01
		PM_{10}	0.11	0.11
9	Grog Dust Collector (4)	PM_{10}	3.00	6.00
10	BEP Ground Clay Feeder (4)	PM	0.01	0.01
		PM_{10}	0.01	0.01
11	BEP Drop Point (4)	PM	0.01	0.01
		PM_{10}	0.01	0.01
12	BEP MFG Dust Collector	PM_{10}	1.37	2.06
13	BEP Vacuum Pump	VOC	0.01	0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
14	BEP Holding Room	PM_{10}	0.85	3.74
		NO_x	0.03	0.12
		CO	0.03	0.12
		VOC	0.13	0.58
		SO_2	0.04	0.16
15	BEP Dryer Stack	PM_{10}	1.33	5.84
		NO_x	1.63	7.15
		CO	2.00	8.76
		VOC	0.10	0.44
		SO_2	0.08	0.37
16	BEP Dryer Stack	PM_{10}	1.33	5.84
		NO_x	1.63	7.15
		CO	2.00	8.76
		VOC	0.10	0.44
		SO_2	0.08	0.37
17	BEP Dryer Stack	PM_{10}	1.33	5.84
		NO_x	1.63	7.15
		CO	2.00	8.76
		VOC	0.10	0.44
		SO_2	0.08	0.37
15a	BEP Dryer Stack	PM_{10}	1.33	5.84
		NO_x	1.63	7.15
		CO	2.00	8.76
		VOC	0.10	0.44
		SO_2	0.08	0.37
16a	BEP Dryer Stack	PM_{10}	1.33	5.84
		NO_x	1.63	7.15
		CO	2.00	8.76
		VOC	0.10	0.44
		SO_2	0.08	0.37
17a	BEP Dryer Stack	PM_{10}	1.33	5.84
		NO_x	1.63	7.15

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)				Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
					CO	2.00	8.76
					VOC	0.10	0.44
					SO_2	0.08	0.37
18	BEP Kiln 1 Stack	PM_{10}	9.01	16.87			
					NO_x	1.12	2.1
					CO	2.39	4.48
					VOC	2.64	4.94
					SO_2	14.0	26.21
					HF	1.72	3.22
					HCl	1.2	2.25
19	BEP Kiln 2 Stack	PM_{10}	9.01	16.87			
					NO_x	1.12	2.1
					CO	2.39	4.48
					VOC	2.64	4.94
					SO_2	14.0	26.21
					HF	1.72	3.22
					HCl	1.2	2.25
20	BEP Kiln 3 Stack	PM_{10}	9.01	16.87			
					NO_x	1.12	2.1
					CO	2.39	4.48
					VOC	2.64	4.94
					SO_2	14.0	26.21
					HF	1.72	3.22
					HCl	1.2	2.25
21	BEP Kiln 4 Stack	PM_{10}	9.01	16.87			
					NO_x	1.12	2.1
					CO	2.39	4.48
					VOC	2.64	4.94
					SO_2	14.0	26.21
					HF	1.72	3.22
					HCl	1.2	2.25
22	BEP Kiln 5 Stack	PM_{10}	9.01	16.87			
					NO_x	1.12	2.1
					CO	2.39	4.48
					VOC	2.64	4.94
					SO_2	14.0	26.21
					HF	1.72	3.22

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)			Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
				HCl	1.2	2.25
23	BEP Kiln 6 Stack	PM_{10}	9.01	16.87		
				NO_x	1.12	2.1
				CO	2.39	4.48
				VOC	2.64	4.94
				SO_2	14.0	26.21
				HF	1.72	3.22
				HCl	1.2	2.25
18a	BEP Kiln 1 S/C Stack	PM_{10}	<0.01	<0.01		
				NO_x	<0.01	<0.01
				CO	<0.01	<0.01
				VOC	<0.01	<0.01
				SO_2	<0.01	<0.01
				HF	<0.01	<0.01
				HCl	<0.01	<0.01
19a	BEP Kiln 2 S/C Stack	PM_{10}	<0.01	<0.01		
				NO_x	<0.01	<0.01
				CO	<0.01	<0.01
				VOC	<0.01	<0.01
				SO_2	<0.01	<0.01
				HF	<0.01	<0.01
				HCl	<0.01	<0.01
20a	BEP Kiln 3 S/C Stack	PM_{10}	<0.01	<0.01		
				NO_x	<0.01	<0.01
				CO	<0.01	<0.01
				VOC	<0.01	<0.01
				SO_2	<0.01	<0.01
				HF	<0.01	<0.01
				HCl	<0.01	<0.01
21a	BEP Kiln 4 S/C Stack	PM_{10}	<0.01	<0.01		
				NO_x	<0.01	<0.01
				CO	<0.01	<0.01
				VOC	<0.01	<0.01
				SO_2	<0.01	<0.01
				HF	<0.01	<0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)				Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
					HCl	<0.01	<0.01
22a	BEP Kiln 5 S/C Stack	PM_{10}	<0.01	<0.01			
					NO_x	<0.01	<0.01
					CO	<0.01	<0.01
					VOC	<0.01	<0.01
					SO_2	<0.01	<0.01
					HF	<0.01	<0.01
					HCl	<0.01	<0.01
23a	BEP Kiln 6 S/C Stack	PM_{10}	<0.01	<0.01			
					NO_x	<0.01	<0.01
					CO	<0.01	<0.01
					VOC	<0.01	<0.01
					SO_2	<0.01	<0.01
					HF	<0.01	<0.01
					HCl	<0.01	<0.01
24B	TP Ground Clay Feeder (4)	PM	0.01	0.02			
					PM_{10}	0.13	0.26
24a	BTP Drop Point (4)	PM	0.01	0.02			
					PM_{10}	0.13	0.26
24b	BTP Vacuum Pump	VOC	0.01	0.04			
25	BTP Holding Room	PM_{10}	0.82	3.59			
					NO_x	0.03	0.11
					CO	0.31	1.35
					VOC	0.82	3.59
					SO_2	0.05	0.21
					HF	<0.01	0.02
					HCl	<0.01	0.01
26B	TP Tunnel Dryer Stack	PM_{10}	0.37	1.63			
					NO_x	0.03	0.15
					CO	3.49	15.31
					VOC	0.82	3.59
					SO_2	0.05	0.20

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)			Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
				HF	<0.01	0.02
				HCl	<0.01	0.01
27BTP	Tunnel Dryer Stack	PM_{10}	0.37	1.63		
				NO_x	0.03	0.15
				CO	3.49	15.31
				VOC	0.82	3.59
				SO_2	0.05	0.20
				HF	<0.01	0.02
				HCl	<0.01	0.01
28BTP	Tunnel Dryer Stack	PM_{10}	0.37	1.63		
				NO_x	0.03	0.15
				CO	3.49	15.31
				VOC	0.82	3.59
				SO_2	0.05	0.20
				HF	<0.01	0.02
				HCl	<0.01	0.01
29BTP	Scrubber Bypass	PM_{10}	17.06	0.43		
				NO_x	3.29	0.08
				CO	22.32	0.56
				VOC (total)	10.73	0.27
				VOC1	4.16	0.1
				SO_2	44.35	1.11
				HF	6.20	0.15
				HCl	4.84	0.12
30 BTP	Scrubber Stack	PM_{10}	8.73	38.24		
				NO_x	3.29	14.41
				CO	22.32	97.76
				VOC (total)	10.73	47.0
				VOC1	4.16	18.22
				SO_2	19.0	83.2
				HF	0.3	1.3
				HCl	0.20	0.92

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)				Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
31	BTP Kiln Dump Stack	PM_{10}	1.97	8.63			
					NO_x	0.15	0.66
					CO	0.42	1.85
					VOC	0.31	1.35
					SO_2	0.65	2.86
					HF	0.15	0.67
					HCl	0.22	0.98
32	BTP MFG Dust Collector	PM_{10}	0.63	1.27			
33	Diesel Tank (1,000 gal)	VOC	0.01	0.04			
34	Diesel Tank (3,000 gal)	VOC	0.01	0.04			
35	Diesel Tank (3,000 gal)	VOC	0.01	0.04			
36	Grinding Building Fugitives Roof Vent 1 (4)	PM	0.17	0.33	PM_{10}	0.08	0.16
37	Grinding Building Fugitives Roof Vent 2 (4)	PM	0.17	0.33	PM_{10}	0.08	0.16
38	Grinding Building Fugitives Roof Vent 3 (4)	PM	0.17	0.33	PM_{10}	0.08	0.16
39	Grinding Building Fugitives Roof Vent 4 (4)	PM	0.17	0.33	PM_{10}	0.08	0.16
40	BTP MFG Building Fugitives (4)	PM	0.01	0.01	PM_{10}	0.01	0.01
41	BEP MFG Building Fugitives (4)	PM	1.29	1.94	PM_{10}	0.05	0.08
42	Grog Building Fugitives (4)	PM	0.04	0.08	PM_{10}	0.02	0.04
43	Stockpile Fugitives (4)	PM		7.23	PM_{10}		3.61

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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

(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 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 compounds as defined in Title 30 Texas Administrative Code § 101.1
VOC1 -nonmethane and nonethane VOCs
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
CO - carbon monoxide
HF - hydrogen fluoride
HCl - hydrochloric acid
(4) Fugitive emissions are an estimate only.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule and production rates:

24 hours/day 7 days/week 52 weeks/year or 8,760 hours/year

Production rate:

Tunnel Kiln Plant (BTP): 184,500 tons per year of fired ware

Round Kiln Plant (BEP): 104,000 tons per year of fired ware

Dated September 6, 2005