EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 41602

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*
GS-1	Grinding/Screening Building	PM	0.43	0.09
		PM_{10}	0.02	0.01
Mf-1	Manufacturing Building	PM	0.031	0.0116
		PM_{10}	0.014	0.0055
GF-1	Glazing/Firing Building	SO_2	0.00015	0.0007
		NO_x	0.048	0.21
		CO	0.021	0.092
		PM	1.41	0.92
		PM_{10}	1.41	0.92
		VOC	0.0014	0.006
		Pb	0.0038	0.0014
D1, D2, D3, and D4 (combined)	Keller Dryer Vents	SO_2	0.00104	0.008
		NO_x	0.174	1.33
		CO	0.146	1.12
		PM	0.37	3.21
		PM_{10}	0.33	2.89
		VOC	0.066	0.67
Pc1	Primary Crusher (4)	PM	0.096	0.040
		PM_{10}	0.035	0.015
G-4	Reject Crusher (4)	PM	0.006	0.0007
		PM_{10}	0.002	0.0002

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
TK-3	Kiln No. 3 Vent	SO_2	10.89	23.85
		NO_x	1.22	5.35
		CO	4.19	18.35
		PM	3.35	14.68
		PM_{10}	3.04	13.30
		VOC	0.084	0.37
		HF	4.53	9.92
		HCl	2.15	4.72
		Pb	0.0034	0.015
BH1	Grinding/Screening Building Baghouse Stack	PM	1.85	8.11
		PM_{10}	1.85	8.11
BH-2	Glazing/Firing Building Baghouse Stack	PM	0.42	1.84
		PM_{10}	0.42	1.84
BH-3	Glazing/Firing Building Baghouse Stack	PM	0.20	0.88
		PM_{10}	0.20	0.88
Gb1	Glaze Spray Booth Vent	PM	0.21	0.068
		PM_{10}	0.21	0.068
		Pb	0.00053	0.0001
Gb2	Glaze Spray Booth Vent	PM	0.21	0.068
		PM_{10}	0.21	0.068
		Pb	0.00053	0.0001
FD1, FD2, FD3, and FD4 (combined)	Periodic Dryers Vents	SO_2	0.0012	0.0027
		NO_x	0.44	0.20
		CO	0.17	0.37
		PM	0.49	1.07
		PM_{10}	0.44	0.96
		VOC	0.09	0.19

TK-1(5)	Kiln No. 1 Vent No.1		SO_2	9.80	10.74
		NO_X	1.10	2.41	
		CO	3.77	8.26	
		PM	3.02	6.61	
		PM_{10}	2.73	5.99	
		VOC	0.075	0.17	
		HF	4.08	4.46	
		HCl	1.94	2.12	
		Pb	0.0017	0.008	
TK-1a(5)	Kiln No. 1 Vent No. 2		SO_2	1.09	1.19
		NO_X	0.12	0.27	
		CO	0.42	0.92	
		PM	0.34	0.73	
		PM_{10}	0.30	0.67	
		HF	0.45	0.50	
		HCl	0.22	0.24	
		Pb	0.0017	0.008	
TK-2(5)	Kiln No. 2 Vent No. 1		SO_2	9.80	10.74
		NO_x	1.10	2.41	
		CO	3.77	8.26	
		PM	3.02	6.61	
		PM_{10}	2.73	5.99	
		VOC	0.075	0.17	
		HF	4.08	4.46	
		HCl	1.94	2.12	
		Pb	0.0017	0.008	
TK-2a(5)	Kiln No. 2 Vent No. 2		SO_2	1.09	1.19
		NO_x	0.12	0.27	
		CO	0.42	0.92	
		PM	0.24	0.73	
		PM_{10}	0.30	0.67	
		VOC	0.0084	0.018	
		HF	0.45	0.50	
		HCl	0.22	0.24	
		Pb	0.0017	0.008	

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AIR CONTAMINANTS DATA

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

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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 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
SO_2 - sulfur dioxide
NO_x - total oxides of nitrogen
CO - carbon monoxide
VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1
HF - hydrogen fluoride
HCl - hydrogen chloride
Pb - lead compounds
(4) Fugitive emissions are an estimate only.

(5) **These are existing kilns. TK-3, a new energy-efficient tunnel kiln, will replace these existing two kilns (for a period after the new kiln is built, one of the existing grandfathered kilns may continue to operate until the new kiln(TK-3) completes stack testing).** The company shall request a permit revision to remove the emissions of these two old kilns within 45 days after the TK-3 stack test

* Compliance with annual emission limits is based on a rolling 12-month period.

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

24 Hrs/day 7 Days/week 52 Weeks/year or _____ Hrs/year

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

Dated