

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 19841

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 *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
BP-1	CaCO ₃ Silos Baghouse Stack	PM ₁₀	0.05	0.01
BP-2	Batching/Milling Baghouse Stack	PM ₁₀	2.31	9.84
BP-3	Spray Dryer 1 Baghouse Stack	PM ₁₀	1.23	5.24
		VOC	0.18	0.78
		CO	1.11	4.74
		NO _x	1.68	7.16
		SO ₂	0.02	0.08
BP-4	Spray Dryer 2 Baghouse Stack	PM ₁₀	2.57	10.95
		VOC	0.18	0.78
		CO	1.11	4.74
		NO _x	2.69	11.46
		SO ₂	0.02	0.08
CS	Press/Glaze Baghouse Stack	PM ₁₀	8.85	37.70
		Pb	0.0003	0.0013
GP-1	Glaze Prep Baghouse Stack	PM ₁₀	0.77	3.28
		Pb	0.0002	0.0009
PR-1	Dryer 1 Stack	PM ₁₀	0.193	0.82
		VOC	0.01	0.04
		CO	0.02	0.09
		NO _x	0.10	0.43
		SO ₂	0.01	0.04

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
PR-2	Dryer 2 Stack	PM ₁₀	0.193	0.82
		VOC	0.01	0.04
		CO	0.02	0.09
		NO _x	0.10	0.43
		SO ₂	0.01	0.04
PR-3	Dryer 3 Stack	PM ₁₀	0.193	0.82
		VOC	0.01	0.04
		CO	0.02	0.09
		NO _x	0.10	0.43
		SO ₂	0.01	0.04
PR-4	Dryer 4 Stack	PM ₁₀	0.193	0.82
		VOC	0.01	0.04
		CO	0.02	0.09
		NO _x	0.10	0.43
		SO ₂	0.01	0.04
PR-5	Dryer 5 Stack	PM ₁₀	0.193	0.82
		VOC	0.01	0.04
		CO	0.02	0.09
		NO _x	0.10	0.43
		SO ₂	0.01	0.04
PR-6	Dryer 6 Stack	PM ₁₀	0.193	0.82
		VOC	0.01	0.04
		CO	0.02	0.09
		NO _x	0.10	0.43
		SO ₂	0.01	0.04
PR-7	Dryer 7 Stack	PM ₁₀	0.193	0.82
		VOC	0.01	0.04
		CO	0.02	0.09

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Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
		NO _x	0.10	0.43
		SO ₂	0.01	0.04
PR-8	Dryer 8 Stack	PM ₁₀	0.01	0.193
		VOC	0.01	0.04
		CO	0.02	0.09
		NO _x	0.10	0.43
		SO ₂	0.01	0.04
PR-9	Dryer 9 Stack	PM ₁₀	0.193	0.82
		VOC	0.01	0.02
		CO	0.02	0.09
		NO _x	0.10	0.44
		SO ₂	0.01	0.01
KS-1	Kiln 1 Stack	PM ₁₀	1.97	8.39
		VOC	0.12	0.51
		CO	0.14	0.61
		NO _x	1.51	6.45
		SO ₂	0.10	0.40
		HF	0.13	0.55
		Pb	0.008	0.03
KS-2	Kiln 2 Stack	PM ₁₀	1.97	8.39
		VOC	0.12	0.51
		CO	0.14	0.61
		NO _x	1.51	6.45
		SO ₂	0.10	0.40
		HF	0.13	0.55
		Pb	0.008	0.03
KS-3	Kiln 3 Stack	PM ₁₀	3.15	13.42
		VOC	0.21	0.89

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Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
		CO	0.25	1.06
		NO _x	2.66	11.32
		SO ₂	0.17	0.725
		HF	0.34	1.45
		Pb	0.01	0.04
KS-4	Kiln 4 Stack	PM ₁₀	1.20	5.11
		VOC	0.21	0.89
		CO	0.25	1.06
		NO _x	2.66	11.32
		SO ₂	0.17	0.725
		HF	0.34	1.45
		Pb	0.01	0.04
KS-5	Kiln 5 Stack	PM ₁₀	4.00	17.04
		VOC	0.42	1.79
		CO	0.50	2.13
		NO _x	5.32	22.66
		SO ₂	0.34	1.45
		HF	0.68	2.90
		Pb	0.026	0.11
KC-3	Kiln 3 Cooler Stack	PM ₁₀	0.26	1.11
		HF	0.02	0.09
		Pb	0.0008	0.003
KC-4	Kiln 4 Cooler Stack	PM ₁₀	1.20	5.11
		HF	0.02	0.09
		Pb	0.0008	0.003
KC-5	Kiln 5 Cooler	PM ₁₀	2.25	9.59
		HF	0.04	0.17
		Pb	0.002	0.009

F-1	Material/Stockpiles (4)	PM	0.072	0.31
		PM ₁₀	0.036	0.16

- (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.

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- (3) PM₁₀ - particulate matter equal to or less than 10 microns. 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 General Rule 101.1
 - CO - carbon monoxide
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - HF - hydrogen fluoride
 - Pb - lead
- (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:

<u>24</u>	Hrs/day	<u>7</u>	Days/week	<u>52</u>	Weeks/year	
<u>8,520</u>	Total hrs/year					

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>

Dated_____