

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 93157

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, sources, and related activities. 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	
			lbs/hour	TPY (4)
GF-1	Glazing/Firing Building	SO ₂	<0.01	<0.01
		NO _x	0.06	0.08
		CO	0.03	0.04
		PM	0.08	0.20
		PM ₁₀	0.08	0.20
		PM _{2.5}	0.08	0.20
		VOC	<0.01	<0.01
		Pb	0.01	0.03
BH1	Grinding/Screening Building Baghouse Stack	PM	0.01	0.01
		PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
BH2	Glazing/Firing Building Baghouse Stack	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
BH3	Glazing/Firing Building Baghouse Stack	PM	0.20	0.24
		PM ₁₀	0.20	0.24
		PM _{2.5}	0.20	0.24

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D1	Keller Dryer Stack	SO ₂	<0.01	0.01
		NO _x	0.35	1.53
		CO	0.29	1.27
		PM	0.74	3.22
		PM ₁₀	0.74	3.22
		PM _{2.5}	0.37	1.61
		VOC	0.13	0.46
D2	Keller Dryer Stack	SO ₂	<0.01	0.01
		NO _x	0.35	1.53
		CO	0.29	1.27
		PM	0.74	3.22
		PM ₁₀	0.74	3.22
		PM _{2.5}	0.37	1.61
		VOC	0.13	0.46
D3	Keller Dryer Stack	SO ₂	<0.01	0.01
		NO _x	0.24	1.05
		CO	0.20	0.87
		PM	0.73	3.18
		PM ₁₀	0.73	3.18
		PM _{2.5}	0.37	1.59
		VOC	0.12	0.12
D4	Keller Dryer Stack	SO ₂	<0.01	0.01
		NO _x	0.24	1.05

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		CO	0.20	0.87
		PM	0.73	3.18
		PM ₁₀	0.73	3.18
		PM _{2.5}	0.37	1.59
		VOC	0.12	0.12
SD-1	Sand Dryer Stack	SO ₂	<0.01	<0.01
		NO _x	0.31	0.01
		CO	0.26	0.01
		PM	3.09	0.10
		PM ₁₀	3.09	0.10
		PM _{2.5}	0.48	0.02
		VOC	0.51	0.02
Pc1	Primary Crusher (5)	PM	0.06	0.02
		PM ₁₀	0.03	0.01
		PM _{2.5}	<0.01	<0.01
CB-1	Crusher Conveyor (5)	PM	0.12	0.04
		PM ₁₀	0.06	0.02
		PM _{2.5}	0.01	<0.01
G-4	Reject (Jaw) Crusher (5)	PM	0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
TK-1	Kiln #1 Stack	SO ₂	2.12	4.63

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		NO _x	1.80	5.44
		CO	4.37	10.82
		PM	3.03	6.61
		PM ₁₀	2.80	6.22
		PM _{2.5}	1.40	3.11
		VOC	0.11	0.32
		HF	1.17	2.55
		HCl	0.54	1.17
TK-1a	Kiln #1a Stack	SO ₂	0.24	0.51
		NO _x	0.20	0.60
		CO	0.49	1.20
		PM	0.34	0.69
		PM ₁₀	0.34	0.69
		PM _{2.5}	0.16	0.35
		VOC	0.01	0.04
		HF	0.13	0.28
		HCl	0.06	0.13
TK-2	Kiln #2 Stack	SO ₂	2.12	4.63
		NO _x	1.80	5.44
		CO	4.37	10.82
		PM	3.03	6.61
		PM ₁₀	2.80	6.22
		PM _{2.5}	1.40	3.11

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		VOC	0.11	0.32
		HF	1.17	2.55
		HCl	0.54	1.17
TK-2a	Kiln #2a Stack	SO ₂	0.24	0.51
		NO _x	0.20	0.60
		CO	0.49	1.20
		PM	0.34	0.69
		PM ₁₀	0.34	0.69
		PM _{2.5}	0.15	0.35
		VOC	0.01	0.04
		HF	0.13	0.28
		HCl	0.06	0.13
Gb1	Spray Booth Stack	PM	0.02	0.02
		PM ₁₀	0.02	0.02
		PM _{2.5}	0.02	0.02
		Pb	<0.01	<0.01
Gb2	Spray Booth Stack	PM	0.05	0.07
		PM ₁₀	0.05	0.07
		PM _{2.5}	0.05	0.07
		Pb	0.01	0.01
OS-1	Outdoor Sand Storage (5)	PM	-.--	0.10
		PM ₁₀	-.--	0.05
		PM _{2.5}	-.--	0.01
IS-1	Indoor Sand Storage	PM	-.--	<0.01

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		PM ₁₀	-.--	<0.01
		PM _{2.5}	-.--	<0.01

- (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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 NO_x - total oxides of nitrogen
 SO₂ - sulfur dioxide
 PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
 PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
 PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
 CO - carbon monoxide
 HF - hydrogen fluoride
 HCl - hydrogen chloride
 Pb - lead
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Includes emissions from Tile Screen #1 (EPN Sc1) through Tile Screen #6 (EPN Sc6), Sand Screen (EPN Sc7), Fire Brick Screen (EPN Sc8), Enclosed Screen (EPN Sc10) and Enclosed Screen (EPN Sc11).

Date: _____