

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 8249

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)	<u>Emission Rates *</u>	
			lb/hr	TPY
DC1	Zyarock Finishing Baghouse Stack	PM ₁₀	0.42	0.66
DC2	Zyarock Foam Block Band Saw Baghouse Stack	PM ₁₀	0.04	0.06
DC3	Slip Cast/T-Cast Batch/ Mixer Baghouse Stack	PM ₁₀	0.12	0.19
DC4	Viso Department Baghouse Stack	PM ₁₀	0.23	0.35
DC5	Mold Shop Machining Baghouse Stack	PM ₁₀	0.04	0.06
DC6	Mold Shop Plaster Batch Baghouse Stack	PM ₁₀	0.017	0.027
DC8	Viso Grinding No. 1 Baghouse Stack	PM ₁₀	0.26	0.81
DC9	Viso Grinding No. 2 Baghouse Stack	PM ₁₀	0.26	0.81
DC10	Viso Glazing Baghouse Stack	PM ₁₀	0.26	0.81
FAF1, FAF2, and FAF3	Zyarock/Slip Cast/T-Cast Flue Vent	PM ₁₀	0.072	0.32
		SO ₂	0.0036	0.016
		NO _x	0.60	2.63
		CO	0.13	0.55
		VOC	0.035	0.15

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			<u>lb/hr</u>	<u>TPY</u>
FAF4	Viso Glaze Drying Oven Flue Vent	PM ₁₀	0.04	0.18
		SO ₂	0.0002	0.0009
		NO _x	0.033	0.15
		CO	0.003	0.03
		VOC	0.002	0.008
FAF5, FAF6, and FAF7	Mold Shop Drying Ovens Flue Vent	PM ₁₀	0.048	0.21
		SO ₂	0.00024	0.0011
		NO _x	0.04	0.18
		CO	0.008	0.037
		VOC	0.0023	0.01
I-1	Despatch Oven Incinerator Stack	PM ₁₀	0.0132	0.021
		NO _x	0.110	0.172
		SO ₂	0.0007	0.001
		CO	0.023	0.036
		VOC	0.004	0.006
		FURFURAL	0.70	1.40
I-2	Fume Incinerator Stack (Swindell/Dressler Kiln No. 1)	PM ₁₀	0.88	1.52
		NO _x	6.44	12.88
		SO ₂	0.028	0.06
		CO	1.62	2.22
		VOC	0.08	0.08
		HF	0.05	0.05
		FURFURAL	1.35	2.70
KS1	Zyarock Kiln Flue Vent No. 1	PM ₁₀	0.072	0.32
KS2	Zyarock Kiln Flue Vent No. 2	PM ₁₀	0.072	0.32
I-3	Fume Incinerator Stack (Swindell/Dressler Kiln No. 2)	PM ₁₀	0.88	1.52
		SO ₂	0.028	0.06
		NO _x	6.44	12.88

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			lb/hr	TPY
		CO	1.62	2.22
		VOC	0.08	0.08
		HF	0.05	0.05
		FURFURAL	1.35	2.70
B2	Boiler No. 2 Flue Vent	PM ₁₀	0.009	0.04
		SO ₂	0.0005	0.002
		NO _x	0.08	0.33
		CO	0.016	0.07
		VOC	0.004	0.02

(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) PM₁₀ - 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.

SO₂ - sulfur dioxide

NO_x - total oxides of nitrogen

CO - carbon monoxide

VOC - volatile organic compounds as defined in Title 30 Texas

Administrative Code § 101.1

HF - hydrogen fluorides

FURFURAL - C₄H₃OCHO (bran oil)

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

24 Hrs/day 6 Days/week 52 Weeks/year

Kiln throughput rates: Tons/hour 1.8 Tons/year 5,220

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Page 4

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			<u>lb/hr</u>	<u>TPY</u>

Dated _____