

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 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)	Emission Rates	
			lb/hr	TPY
DC1	Zyarock Finishing Baghouse Stack	TSP	0.42	0.66
		PM ₁₀	0.42	0.66
DC2	Zyarock Foam Block Band Saw Baghouse Stack	TSP	0.04	0.06
		PM ₁₀	0.04	0.06
DC3	Slip Cast/T-Cast Batch/ Mixer Baghouse Stack	TSP	0.12	0.19
		PM ₁₀	0.12	0.19
DC4	Viso Department Baghouse Stack	TSP	0.23	0.35
		PM ₁₀	0.23	0.35
DC5	Mold Shop Machining Baghouse Stack	TSP	0.04	0.06
		PM ₁₀	0.04	0.06
DC6	Mold Shop Plaster Batch Baghouse stack	TSP	0.017	0.027
		PM ₁₀	0.017	0.027
FAF1, FAF2, FAF3	Zyarock/Slip Cast/T-Cast Flue Vent	TSP	0.072	0.32
		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
FAF4	Viso Glaze Drying Oven Flue Vent	TSP	0.04	0.18
		PM ₁₀	0.04	0.18
		SO ₂	0.0002	0.0009

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Emission *	Source	Air Contaminant	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
FAF5,FAF6,FAF7	Mold Shop Drying Ovens Flue Vent	NO _x	0.033	0.15
		CO	0.003	0.03
		VOC	0.002	0.008
		TSP	0.048	0.21
		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	TSP	0.0132	0.021
		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/Dress. Kiln No. 1)	TSP	0.88	1.52
		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
KS1	Zyarock Kiln Flue Vent No. 1	TSP	0.072	0.32
		PM ₁₀	0.072	0.32
KS2	Zyarock Kiln Flue Vent No. 2	TSP	0.072	0.32
		PM ₁₀	0.072	0.32
KS4	Swindell/Dress. Kiln No. 2 0.63	TSP		0.315

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Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
	Flue Vent	PM ₁₀	0.315	0.63
		SO ₂	0.004	0.016
		NO _x	0.60	2.63
		CO	0.13	0.55
		VOC	0.04	0.15
B2	Boiler No. 2 Flue Vent	TSP	0.009	0.04
		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) TSP - particulate matter including PM₁₀
 PM₁₀ - particulate matter less than 10 microns in diameter
 SO₂ - sulfur dioxide
 NO_x - total oxides of nitrogen
 CO - carbon monoxide
 VOC - volatile organic compounds as defined in General Rule

101.1

HF - hydrogen fluorides

FURFURAL - C₄H₃OCHO (bran oil)

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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

12 Hrs/day 5 Days/week 52 Weeks/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>

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

Dated _____