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	O.O72	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	<0.02	<0.09
		NO_x	0.033	0.15
		CO	0.003	0.03
		VOC	0.002	0.008

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FAF5,FAF6, FAF7	Mold Shop Drying Ovens Flue Vent	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

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
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	O.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
		FURFURAL	1.35	2.70
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 Flue Vent	TSP	0.315	0.63
		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
B1	Boiler No. 1 Flue	TSP	0.009	0.04

	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
B2	Boiler No. 2 Flue	TSP	0.009	0.04
	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) TSP - total suspended particulate matter including PM_{10}
PM_{10} - particulate matter less than 10 microns in diameter
VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
CO - carbon monoxide
HF - hydrogen flourides
FURFURAL - C_4H_3OCHO (bran oil)

* 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

Kiln throughput rates: Tons/hour 1.8 Tons/year 5,616

Dated_____