

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 19793

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
65.18	Flash Dryer Baghouse Stack 3.29	TSP		0.75
		PM ₁₀	0.75	3.29
		SO ₂	0.01	0.05
		NO _x	2.52	11.04
		CO	0.63	2.76
		VOC	0.06	0.24
		NiO**	0.032	0.14
		V ₂ O ₅ **	0.019	0.083
67.05	Alumina Concentrate Bin Vent 0.08	TSP		0.02
		PM ₁₀	0.02	0.08
		NiO**	0.0003	0.001
		V ₂ O ₅ **	0.0002	0.001
65.64	Coal Bin Vent	TSP	0.02	0.01
		PM ₁₀	0.02	0.01
009	Electric Arc Furnace Scrubber 2.12 Stack	TSP		0.65
		PM ₁₀	0.65	2.12
		SO ₂	6.84	22.54
		CO	5.87	19.65
		NO _x	0.53	1.76
		VOC	0.67	2.21
		NiO**	0.003	0.011
		V ₂ O ₅ **	0.002	0.006

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010	Electric Arc Furnace Baghouse	TSP	1.29
	4.19		
	Stack	PM ₁₀	1.29 4.19

- (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) VOC - volatile organic compounds as defined in General Rule 101.1

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

TSP - total suspended particulate including PM₁₀

PM₁₀ - particulate matter less than ten micrometers in diameters

CO - carbon monoxide

NiO - nickel oxide

V₂O₅ - vanadium pentoxide

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

24 Hrs/day 7 Days/week 52 Weeks/year

Maximum electric arc furnace operation of 7,100 Hrs/yr

** These emissions are included in the total particulate at this source.

Dated _____