

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 19518

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
F101 (4)	Coal Unloading Building	TSP	0.113	0.016
	Fugitives (4)	PM ₁₀	0.053	0.008
F102 (4)	Coal Railcar Unloading	TSP	0.733	0.023
	Fugitives (4)	PM ₁₀	0.367	0.012
1S102 0.939	Coal Prep. Building	Stack PM ₁₀		0.214
1S201 0.943	4.130 Stack	EAF Dust Unloading	PM ₁₀	
F301 (4)	Silo Storage Area	PM ₁₀	0.185	0.811
	Fugitives (4)			
1S302 0.086	0.375 Stack, 1T305	Lime Storage	PM ₁₀	
1S303 0.086	0.375 Stack, 1T306	Coal Storage Silo	PM ₁₀	
1S401 0.943	4.130	Pellet Drier Stack	PM ₁₀	
		SO ₂	0.004	0.013
		NO _x	0.588	2.205

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

			CO	0.123	0.463
			VOC	0.023	0.084
1S402			Pelletizer Stack	PM ₁₀	
	0.943	4.130			

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
S501	Kilns Stack (5)	PM ₁₀	6.524	28.573
		Zn	1.428	5.357
		Cd	0.010	0.037
		Pb	0.189	0.710
		Fe	0.054	0.202
		SO ₂	15.998	59.994
		NO _x	5.154	19.328
		CO	1.039	3.896
		VOC	0.154	0.577

(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, including zinc, lead, cadmium, and iron

Zn - zinc

Cd - cadmium

Pb - lead

Fe - iron

VOC - volatile organic compounds as defined in General Rule 101.1

SO₂ - sulfur dioxide

NO_x - total oxides of nitrogen

CO - carbon monoxide

(4) Fugitive emissions are an estimate only.

(5) The maximum hourly and annual throughputs of pellet feed are limited to 5.6 tons per hour and 42,000 tons per year.

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

Hrs/day _____ Days/week _____ Weeks/year _____ or Hrs/year 8,760

Permit No. 19518
Page 4

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Dated_____