

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 9518

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 *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	<u>lb/hr</u>	<u>TPY</u>
E-1	Kiln Stack	PM ₁₀	0.15	0.66
		PM	0.75	3.28
		VOC	7.10	4.30
		CO	0.30	0.30
		SO ₂	73.60	23.06
		NO _x	11.90	3.60
		Ni (PM)	0.05	0.03
		W (PM)	0.03	0.14
F-1	Catalyst Decanting	VOC	0.2	0.03
F-2	Loading	VOC	0.8	0.02
F-3	Catalyst Feed	VOC	0.70	0.70
F-4	Feed End of Kiln	PM	0.01	0.01
F-5	Thermal Oxidizer Cleanup	PM	0.01	0.01
F-6	Cooling Tower Cleanup	PM	0.01	0.01
F-7	Baghouse Dust Discharge	PM	0.40	0.04
F-8	Kiln Discharge End	PM	0.04	0.06
F-10	Screening Hopper	PM	<0.01	<0.01
F-11	Screening Baghouse	PM	<0.01	<0.01

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>

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Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
F-17	Industrial Furnace Loading 0.01	PM		0.01
	and Product Clean Out	VOC	0.10	0.10
F-18	Drum Cleaning and Crushing 0.01	PM		0.01
F-19	Fire Hood Material Recovery 0.02	PM		0.20

(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.

PM - particulate matter, suspended in the atmosphere, including PM₁₀.

VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1

CO - carbon monoxide

SO₂ - sulfur dioxide

NO_x - total oxides of nitrogen

Ni - nickel as particulate matter

W - tungsten and tungsten oxides as particulate matter

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

_____Hrs/day _____Days/week _____Weeks/year or 8,760 Hrs/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>

Dated _____